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Returns to Equity Capital by Farm
Type and Economic Class of Farm
Based on 1970 Data

Economic Research Service, Washington, D C

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RETURNS TO EQUITY CAPITAL
BY FARM TYPE AND ECONOMIC CLASS OF FARM,
BASED ON 1970 DATA

By

J. Bruce Hottel and Robert D. Reinsel

Economic Research Service
U.S. Department of Agriculture

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SUMMARY

For 1970, average rates of return to equity capital varied substantially among the 12 major farm types, ranging from less than .2 percent for livestock ranches to 8.4 percent for poultry farms. However, the average return does not adequately represent diverse production units since the return to equity capital grows as the economic class size increases. Among the 12 farm types, returns to equity were generally negative for smaller and positive for larger farms, increasing substantially with size. The average rate of return to all farms with sales greater than \$2,500 was 3.3 percent. However, the range in average returns was from -6.5 percent on the smallest farms (\$2,500 to \$4,999) to +6.8 percent on the largest farms (\$100,000 & over).

A close correlation existed between farm size, farm debt, and rates of returns to equity. The use of farm debt to finance purchases of capital goods and other inputs appeared to be an important factor determining the rate of return earned by farms and the growth in farm size as measured by gross farm sales. Larger farms held more debt per dollar of equity capital, which resulted in higher absolute values of debts on the larger farms. The ratio of total debt to equity in farm assets was 39 percent for farms with sales over \$100,000 versus 14 percent for farms with less than \$2,500 of gross farm sales. This was generally true for all farm types. With the cost of borrowed funds accounted for, it follows that higher ratios of debt to equity will result in a higher rate of earnings per dollar of equity. To capture the apparent economic efficiency of larger size, large farm operators apparently will depend more on borrowed funds to achieve farm growth and increase their income than will small farm operators.

A large number of small farm operators received a high proportion of their income from off-farm sources, which is apparently why these operators are able to continue in the farming sector despite a negative rate of return from the farm operation. Farms with gross farm sales below \$5,000 in 1970 obtained over 90 percent of their total income from off-farm sources. The dependence on off-farm income generally decreased as farm size increased.

Additional returns, due to increases in land values, increased the return to all farm types from 2.1 to 5.6 percent in 1970. The potential for capital gains, especially on the land resource, plus additional income from off-farm sources, add another dimension to farm ownership and operation. Although appreciation from land adds nothing to cash earnings until the land is sold, a higher level of net worth can be used as security for real estate loans.

RETURNS TO EQUITY CAPITAL BY FARM TYPE AND ECONOMIC CLASS OF FARM

by

J. Bruce Hottel and Robert D. Reinsel 1/

INTRODUCTION

This report estimates returns to equity capital for 12 major commodity farm types and by economic class of these farms (farms with \$2,500 or more in gross farm sales are included). 2/ The report supplements a previous publication that contained aggregate estimates of returns to equity capital by economic class of farms for the entire United States and for the 10 major U.S. farm production regions (9). 3/ At the time this report was compiled, 1970 was the most recent year for which benchmark data were available for determining the allocation of the national farm income and balance sheet accounts. Data used were primarily from the 1969 Census of Agriculture and the 1970 Census Survey of Farm Finance (22, 23). The 1970 Census Survey of Farm Finance was not available until 1974. However, similar economic patterns, as determined by the census, are believed to still apply to the farming sector today.

Equity capital is defined as that portion of the farm's assets without debt obligations. This report presents a measure of returns to equity capital for farms in various economic (sales) classes for different commodity farm types. The data help to identify incentives for financial investment that can change the structure of the food and fiber sector. Although measures for any one year can be misleading, differences in earnings shown in the study are similar to those found by Herendeen for 1964 and 1965 (6), and by Johnson for 1966, 1967, and 1968 (10). The measurement of returns depends on the assumptions used, which are detailed in the appendix, and should be considered in interpreting the results of this study.

Although this analysis includes only farms with gross farm sales of \$2,500 and greater (61 percent of all U.S. farms), a large number of these farms are small operations that receive a large share of their income from off-farm sources.

1/Agricultural economists, U.S. Department of Agriculture, Economic Research Service, National Economic Analysis Division, Inputs and Finance Program Area, stationed at Texas A&M University and Washington, D. C., respectively.

2/The definitions of farm types as classified by the census are indicated in the appendix.

3/Underscored numbers in parentheses refer to the references listed at the end of this report.

In many cases, returns from these farms are used only to supplement earnings from primary nonfarm occupations. Land and housing are often viewed as a base for nonfarm activities. Net farm income is often so low that after allowing farmers a return for labor and management, negative returns to equity capital occur. Even among larger commercial farms, there are differences in income and resource earnings because of variations in farm size, type of farm, and geographical location. These differences affect the overall average. Therefore, substantial variations in returns to equity among farms are to be expected.

PROCEDURE

The general procedure used to estimate farm income and returns to equity capital was to allocate national gross farm income to the economic classes and subtract production expenses to determine net farm income for each class. Estimates of the value of unpaid operator and family labor and management were then deducted from net income to determine the return to equity capital (see appendix). Equity capital is defined as the difference between assets and liabilities and is determined for each economic class group of farms. Net rates of returns to equity capital were determined by dividing earnings by the equity value.

A basic assumption of this study is that equity capital is the residual claimant to net income after an allowance has been made to operator and family labor and management. Procedures used to estimate the opportunity cost allowance for labor and management are discussed in the appendix. The concept measures efficiency in capital use rather than the welfare of individuals.

Only resources that were directly used to contribute to agricultural production were considered. The resident farm household element, which is part of the national balance sheet of the farming sector and the farm income accounts, was excluded (app. tables 1 and 2).

Income and returns to equity capital are assumed to flow to the equity associated with farm production units regardless of ownership patterns. It is thus assumed that equitable distribution of returns is made between owners and renters of resources, whether they are farmers or landlords. Assets are valued at their opportunity cost or market values.

RETURNS BY FARM TYPES

Average rates of returns to equity varied substantially among the 12 major farm types, from less than 0.2 percent for livestock ranches to 8.4 percent for poultry farms (table 1). The analysis indicated that the return to equity capital grows as the economic class size increases. This is generally true for each farm type. The average return for all farms does not adequately represent diverse production units within the farming sector. Returns to equity were generally negative for smaller and positive for larger farms, increasing substantially with size. The average return to all farms in economic classes I through V in 1970 was 3.3 percent; however, the range was from -6.5 percent for the smallest farms to +6.8 percent for the largest farms. Rates of return as a rule were less for livestock ranches, but generally the rate consistently in-

creased with the farm size, as was the case with other farm types. Except for tobacco farms, one-fourth or more of the farms in each type of farm category had gross sales in excess of \$20,000. All except poultry, and fruit and nut farms received returns as large or above the overall composite average of 3.3 percent (table 2). In general, farms with less than \$20,000 gross farm income earned less than the composite average for each farm type.

Differences in rates of return among farm types for 1970 may have resulted from several factors, including the shortrun effects of different weather and price situations. The average dollar value of assets, debts, and net farm income, and resulting financial ratios, varied substantially by farm commodity type within the same economic size class (table 3). Assets per farm with a given sales level were generally much higher where livestock was a major component of farm sales. Land and other asset requirements were high in relation to livestock receipts.

Financial ratios for each farm type varied in much the same way by farm sizes. Generally, debt to asset value ratios were consistently higher as farm size increased. The ratio of total assets utilized per dollar of gross farm income and net income also declined as farm size increased, indicating less capital required per dollar of income.

Debt loan and likely debt repayment capacity varied among farm types. For instance, the ratio of net farm income to total debt was generally highest for tobacco farms and lowest for livestock ranches.

The smaller farms--those with less than \$5,000 gross farm sales--generally had relative low ratios of net income to debt for each type of farm.

Because estimates for each economic class are composite averages, not all farms would have positive or negative returns as represented by the average. Although estimates of variances in equity returns were not determined because of data limitations, a significant difference probably existed between economic class groups. A study by Duvick and Uhl (2) found significant differences in average income levels and variation in parity returns within economic classes on Michigan farms during 1965 and 1966. Their study showed that although the average income of the Class I farms was above or near parity income, only about 50 percent of these farms yielded farm income above parity levels. They also found that the proportion of farms within each class that achieved net income above parity levels increased as size class increased. This suggests that, although both positive and negative returns to equity exist within each economic class, the greater proportion of farms with above average earnings were the larger farms.

FACTORS AFFECTING DIFFERENCES IN RETURNS

Large Farms

Several factors appeared important in explaining why farm returns to equity are more favorable on larger size units.

Table 2--Type of farms: Number of farms, distribution of farm numbers, and average rate of return to equity,
U.S. 1970

Type of farm	Economic class 1/						Total, I - V
	Ia	Ib	II	III	IV	V	
	:\$100,000 +	:\$100,000	:\$20,000 - :\$39,999	:\$10,000 - :\$19,999	:\$5,000 - :\$9,999	:\$2,500 - :\$4,999	
All Farms 2/							
Number of farms	55,009	177,991	343,023	390,026	397,027	435,030	1,798,106
Percent distribution farm numbers	3.1	9.9	19.1	21.6	22.1	24.2	100.0
Percent returns to equity capital	6.8	5.7	4.4	2.8	0.2	- 6.5	3.3
Cash Grain							
Number of farms	4,346	30,436	74,093	94,387	91,317	87,006	381,585
Percent distribution farm numbers	1.2	8.0	19.4	24.7	23.9	22.8	100.0
Percent returns to equity capital	6.1	6.7	5.6	3.8	.61	-5.5	4.0
Tobacco							
Number of farms	275	1,958	7,547	16,771	30,174	36,978	93,703
Percent distribution farm numbers	0.3	2.1	8.0	17.9	32.2	39.5	100.0
Percent returns to equity capital	21.6	12.2	9.4	8.1	2.7	- 8.5	4.2
Cotton							
Number of farms	1,210	3,560	5,831	7,410	8,735	15,661	42,407
Percent distribution farm numbers	2.9	8.4	13.7	17.5	20.6	36.9	100.0
Percent returns to equity capital	8.6	7.1	6.7	6.6	5.6	0.4	6.6
Other Field Crops							
Number of farms	2,311	5,162	6,860	6,240	5,955	5,655	32,183
Percent distribution farm numbers	7.2	16.0	21.3	19.4	18.5	17.6	100.0
Percent returns to equity capital	10.1	6.8	4.4	3.5	1.9	-6.5	6.5
Poultry							
Number of farms	9,021	19,401	16,122	7,410	4,367	3,915	60,236
Percent distribution farm numbers	15.0	32.2	26.8	12.3	7.2	6.5	100.0
Percent returns to equity capital	19.4	7.6	-2.0	-5.7	-5.2	-10.6	8.4
Dairy							
Number of farms	5,281	31,147	85,070	78,005	46,056	21,752	267,311
Percent distribution farm numbers	2.0	11.7	31.8	29.2	17.2	8.1	100.0
Percent returns to equity capital	7.2	7.4	5.4	2.9	- 1.4	-9.1	4.49

(continued)

Table 2-- Type of farms: Number of farms, distribution of farm numbers, and average rate of return to equity, United States, 1970 (continued)

Type of farm	Economic class 1/						Total I - V
	Ia	Ib	II	III	IV	V	
	\$100,000 +	\$40,000 - \$100,000	\$20,000 - \$39,999	\$10,000 - \$19,999	\$5,000 - \$9,999	\$2,500 - \$4,999	
Livestock Other Than Poultry & Dairy							
Number of farms	18,099	58,025	99,820	117,789	133,402	164,006	591,141
Percent distribution farm numbers	3.1	9.8	16.9	19.9	22.6	27.7	100.0
Percent returns to equity capital	8.4	5.2	3.3	1.7	- 0.2	- 7.5	2.4
Livestock Ranches							
Number of farms	4,126	7,120	10,977	14,041	20,248	26,537	83,049
Percent distribution farm numbers	4.9	8.6	13.2	16.9	24.4	32.0	100.0
Percent returns to equity capital	1.6	1.0	0.1	- 0.5	- 1.8	- 3.2	0.1
General							
Number of farms	2,695	9,256	20,238	28,862	33,350	36,978	131,379
Percent distribution farm numbers	2.1	7.0	15.4	22.0	25.4	28.1	100.0
Percent returns to equity capital	5.8	6.3	5.0	3.5	1.4	- 5.9	3.4
Miscellaneous							
Number of farms	2,420	3,382	4,459	5,070	5,955	16,966	38,252
Percent distribution farm numbers	6.3	8.8	11.6	13.3	15.6	44.4	100.0
Percent returns to equity capital	14.4	8.7	6.5	4.7	3.1	-10.6	2.2
Vegetables							
Number of farms	2,255	2,670	3,087	3,510	4,367	4,785	20,674
Percent distribution farm numbers	10.9	12.9	14.9	17.0	21.1	23.2	100.0
Percent returns to equity capital	8.0	7.2	4.5	4.7	0.6	- 4.5	6.2
Fruit and Nut							
Number of farms	2,970	5,874	8,919	10,531	13,101	14,791	56,186
Percent distribution farm numbers	5.3	10.5	15.9	18.7	23.3	26.3	100.0
Percent returns to equity capital	3.6	2.5	2.4	0.8	- 2.1	-10.0	1.2

1/ Economic class based on value of gross farm sales.

2/ See appendix for definition of farm types.

Table 3.-- Type of farms: Average per farm assets, debts, income, and financial ratios, United States 1970

Item	Economic class 1/										Total
	Ia	Ib	II	III	IV	V	I - V				
Production assets 2/											
Production liabilities 3/											
Equity (net worth)											
Net farm returns to equity 4/											
Ratios											
Net returns to equity											
Total debt to asset values											
Real Estate debt to L & B values											
Non R.E. debt to non R.E. asset											
Net farm income to total debt											
Debt to equity											
Total assets to total farm income											
Total assets to net farm income											
Production assets 2/											
Production liabilities 3/											
Equity (net worth)											
Net farm returns to equity 4/											
Ratios											
Net returns to equity											
Total debt to asset values											
Real Estate debt to L & B values											
Non R.E. debt to non R.E. asset											
Net farm income to total debt											
Debt to equity											
Total assets to total farm income											
Total assets to net farm income											

Table 3.-- Type of farms: Average per farm assets, debts, income, and financial ratios, United States 1970 (cont.)

Item	Economic class 1/						
	Ia	Ib	II	III	IV	V	Total
			\$20,000 - \$39,999	\$10,000 - \$19,999	\$5,000 - \$9,999	\$2,5000 - \$4,999	I - V
	\$100,000+:	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
TOBACCO FARMS							
			Dollars per farm				
Production assets 2/	634,680	211,811	108,250	58,908	35,274	24,669	46,644
Production liabilities 3/	161,570	34,101	15,377	8,308	3,455	2,084	5,847
Equity (net worth)	473,109	177,709	92,872	50,600	31,818	22,584	40,797
Net farm returns to equity 4/	102,360	21,591	8,740	4,073	865	-1,912	1,708
Ratios							
			Percent				
Net returns to equity	21.64	12.15	9.41	8.05	2.72	-8.47	4.19
Total debt to asset values	25.46	16.10	14.21	14.10	9.79	8.45	12.54
Real Estate debt to L & B values	20.94	9.02	8.59	9.83	7.67	5.59	8.54
Non R.E. debt to non R.E. asset	34.62	35.85	29.02	26.02	15.40	15.36	22.95
Net farm income to total debt	81.43	86.50	89.80	93.91	130.49	95.25	98.27
Dollars							
Debt to equity	0.34	0.19	0.17	0.16	0.11	0.09	0.14
Total assets to total farm income	1.82	3.26	3.42	3.63	4.16	5.38	3.77
Total assets to net farm income	4.82	7.18	7.84	7.55	7.82	12.42	8.12
COTTON							
			Dollars per farm				
Production assets 2/	1,262,036	425,201	232,673	136,518	73,210	37,428	156,454
Production liabilities 3/	236,364	51,761	25,142	14,851	6,595	7,149	21,140
Equity (net worth)	1,025,671	373,439	207,530	121,666	66,614	30,279	135,313
Net farm returns to equity 4/	88,513	26,429	13,917	8,033	3,737	125	8,877
Ratios							
			Percent				
Net returns to equity	8.63	7.08	6.71	6.60	5.61	0.41	6.56
Total debt to asset values	18.73	12.17	10.81	10.88	9.01	19.10	13.51
Real Estate debt to L & B values	14.03	9.28	9.91	5.06	6.04	17.92	10.35
Non R.E. debt to non R.E. asset	40.61	22.70	13.58	31.11	18.65	22.82	24.87
Net farm income to total debt	44.32	66.26	76.58	74.79	94.55	27.01	\$8.91
Dollars							
Debt to equity	0.23	0.14	0.12	0.12	0.10	0.24	0.16
Total assets to total farm income	3.72	4.24	4.91	5.38	5.47	6.64	4.62
Total assets to net farm income	12.05	12.40	12.08	12.29	11.74	19.38	21.56

(cont.)

Table 3--Type of farms: Average per farm assets, debts, income, and financial ratios, U.S., 1970 (Continued)

Item	Economic class I/						
	Ia	Ib	II	III	IV	V	Total
	\$100,000+ :	\$ 40,000- \$100,000 :	\$20,000- \$39,999 :	\$10,000- \$19,999 :	\$5,000 \$9,999 :	\$2,500 \$4,999 :	I - V
OTHER FIELD CROPS							
			Dollars per farm				
Production assets 2/	855,396	246,727	140,694	78,945	45,392	31,808	160,283
Production liabilities 3/	222,505	51,834	27,306	14,886	7,123	10,467	36,155
Equity (net worth)	632,891	194,893	113,387	64,059	38,269	21,340	124,127
Net farm returns to equity 4/	63,327	13,329	5,040	2,297	743	-1,377	8,083
Ratios				Percent-			
Net returns to equity	10.01	6.84	4.44	3.45	1.94	- 6.45	6.51
Total debt to asset values	26.01	21.01	19.41	18.86	15.69	32.91	22.56
Real estate debt to L&B values	16.42	16.84	15.16	13.66	10.88	36.09	16.44
Non R.E. debt to non R.E. asset	53.23	31.68	29.12	31.50	26.71	24.83	38.31
Net farm income to total debt	42.20	43.95	39.82	42.19	55.74	15.19	41.34
Debt to equity				Dollars-			
Total assets to total farm income	0.35	0.27	0.24	0.23	0.19	0.49	0.29
Total assets to net farm income	2.26	3.29	4.04	4.31	4.83	6.21	3.04
	9.11	10.83	12.94	12.57	11.43	20.01	10.72
POULTRY							
			Dollars per farm				
Production assets 2/	224,507	85,587	51,624	44,427	37,923	31,354	85,258
Production liabilities 3/	82,121	23,467	14,790	13,269	5,879	5,507	26,232
Equity (net worth)	142,385	62,119	36,834	31,158	32,043	25,846	59,026
Net farm returns to equity 4/	27,664	4,714	- 732	-1,785	-1,666	-2,744	4,946
Ratios				Percent-			
Net returns to equity	19.43	7.59	- 1.99	- 5.73	5.20	10.62	8.38
Total debt to asset values	36.58	27.42	28.65	29.87	15.50	17.57	30.77
Real estate debt to L&B values	36.22	30.67	26.25	27.32	14.10	12.23	30.59
Non R.E. debt to non R.E. asset	36.99	23.41	31.82	34.00	18.50	30.07	30.99
Net farm income to total debt	47.40	40.98	19.93	10.07	6.84	-14.53	37.58
Debt to equity				Dollars-			
Total assets to total farm income	0.58	0.38	0.40	0.43	0.18	0.21	0.44
Total assets to net farm income:	0.83	1.27	1.63	2.44	4.54	7.40	1.16
	5.77	8.90	17.52	33.24	94.37	-39.18	8.65

Table 3-- Type of farms: Average per farm assets, debts, income, and financial ratios, U.S., 1970 (continued)

Item	Economic class 1/					
	Ia	Ib	II	III	IV	Total
	\$40,000 -	\$20,000 -	\$10,000 -	\$5,000 -	\$2,500 -	I - V
	\$100,000 +:	\$100,000 :	\$39,999 :	\$19,999 :	\$9,999 :	\$4,999 :
DAIRY						
	Dollars per farm					
Production assets 2/	507,805	191,330	112,397	68,055	42,606	29,385
Production liabilities 3/	146,079	50,782	27,612	12,393	3,879	3,388
Equity (net worth)	36,726	140,547	84,784	55,661	36,726	25,996
Net farm returns to equity 4/	25,961	10,360	4,585	1,625	- 497	-2,366
Percent						
Ratios						
Net returns to equity	7.18	7.37	5.41	2.92	-1.36	-9.10
Total debt to asset values	27.88	26.54	24.57	18.21	13.80	11.53
Real estate debt to L&B values	19.46	22.08	22.05	15.49	10.97	10.48
Non R.E. debt to non R.E. asset	48.18	34.79	28.66	22.54	18.47	13.15
Net farm income to total debt	29.62	37.03	39.00	48.01	57.09	36.80
Dollars						
Debt to equity	0.40	0.36	0.33	0.22	0.16	0.13
Total assets to total farm income	2.27	3.09	3.68	4.15	4.94	6.19
Total assets to net farm income	11.74	10.17	10.44	11.44	12.69	23.57
LIVESTOCK OTHER THAN POULTRY AND DAIRY						
	Dollars per farm					
Production assets 2/	563,777	239,090	156,068	98,379	61,715	41,860
Production liability 3/	184,018	60,094	29,459	18,018	9,402	7,372
Equity (net worth)	379,758	178,996	126,609	80,361	52,313	34,487
Net farm returns to equity 4/	31,889	9,237	4,155	1,351	- 127	-2,580
Percent						
Ratios						
Net returns to equity	8.40	5.16	3.28	1.68	-0.24	-7.48
Total debt to asset values	32.64	25.13	18.88	18.32	15.23	17.61
Real estate debt to L&B values	22.58	19.18	15.94	16.58	14.37	18.67
Non R.E. debt to non R.E. asset	47.84	37.49	24.97	22.23	17.16	15.33
Net farm income to total debt	24.83	27.27	30.90	27.42	27.04	3.39
Dollars						
Debt to equity	0.48	0.34	0.23	0.22	0.18	0.21
Total assets to total farm income	1.50	3.56	4.85	5.84	7.12	9.26
Total assets to net farm income	12.34	14.59	17.14	19.91	24.27	167.66
						18.18

Table 3-- Type of farms: Average per farm assets, debts, income and financial ratios, U.S., 1970 (Continued)

Item	Economic class 1/					
	Ia	Ib	II	III	IV	Total
	\$40,000 -	\$20,000 -	\$10,000 -	\$5,000 -	\$2,500 -	I - V
	\$100,000 +	\$50,000 +	\$25,000 +	\$12,500 +	\$6,250 +	
LIVESTOCK RANCHES						
	Dollars per farm					
Production assets 2/	1,766,083	641,937	345,719	208,539	125,141	280,742
Production liabilities 3/	355,947	100,751	43,261	27,287	10,240	40,732
Equity (net worth)	1,410,137	541,185	302,457	181,251	114,901	240,009
Net farm returns to equity 4/	23,168	5,239	340	-813	-2,078	214
Ratios						
	Percent					
Net returns to equity	1.64	0.97	0.11	-0.45	-1.81	0.09
Total debt to asset values	20.15	15.69	21.51	13.09	8.18	14.51
Real estate debt to L&B values	12.04	11.84	10.12	11.61	6.60	10.42
Non R.E. debt to non R.E. asset	47.35	30.57	21.03	18.80	14.57	29.52
Net farm income to total debt	10.80	11.81	11.53	9.00	13.42	10.12
Debt to equity	0.25	0.19	0.14	0.15	0.09	0.17
Total assets to total farm income	4.30	9.60	11.47	13.59	15.44	7.78
Total assets to net farm income	45.94	53.94	69.29	84.90	91.08	68.09
GENERAL						
	Dollars per farm					
Production assets 2/	1,139,681	324,674	186,547	111,124	68,240	129,986
Production liabilities 3/	232,399	71,300	32,754	19,962	10,308	23,339
Equity (net worth)	907,282	253,373	153,792	91,162	57,932	106,647
Net farm returns to equity 4/	52,283	15,995	7,606	3,182	810	3,577
Ratios						
	Percent					
Net returns to equity	5.76	6.31	4.95	3.49	1.40	3.35
Total debt to asset values	20.39	21.96	17.56	17.96	15.11	17.96
Real estate debt to L&B values	15.20	16.24	15.36	15.18	13.18	14.57
Non R.E. debt to non R.E. assets	43.82	38.68	23.27	25.68	20.48	28.13
Net farm income to total debt	30.68	33.60	40.25	34.13	35.85	33.76
Debt to equity	0.26	0.28	0.21	0.22	0.18	0.22
Total assets to total farm income	3.89	4.40	5.34	6.08	7.17	5.32
Total assets to net farm income	15.98	13.55	14.14	16.31	18.46	16.50

Table 3-- Type of farms: Average per farm assets, debts, income, and financial ratios, U.S., 1970 (continued)

Item	Economic class 1/						Total I - V
	Ia	Ib	II	III	IV	V	
	\$100,000 +	\$100,000	\$20,000 - \$39,999	\$10,000 - \$19,999	\$5,000 - \$9,999	\$2,500 - \$4,999	
MISCELLANEOUS							
Dollars per farm							
Production assets 2/	392,955	152,816	111,419	79,020	59,185	69,464	101,856
Production liabilities 3/	136,982	31,145	15,982	11,305	7,981	8,352	19,728
Equity (net worth)	255,972	121,671	95,436	67,715	51,204	61,111	82,127
Net farm returns to equity 4/	36,898	10,522	6,190	3,172	1,603	-6,478	1,782
Ratios							
Net returns to equity	14.42	8.65	6.49	4.68	3.13	-10.60	2.17
Total debt to asset values	34.86	20.38	14.34	14.81	13.49	12.02	19.37
Real estate debt to L&B values	17.99	16.24	12.89	12.42	12.09	11.36	13.97
Non R.E. debt to non R.E. assets	117.18	35.74	19.99	21.81	19.09	16.20	44.69
Net farm income to total debt	46.22	61.68	72.18	55.53	44.88	-55.94	32.27
Debt to equity	0.54	0.26	0.17	0.17	0.16	0.14	0.24
Total assets to total farm income	1.22	2.33	3.52	4.73	6.86	24.69	2.94
Total assets to net farm income	6.21	7.95	9.66	12.59	16.52	-14.87	16.00
Production assets 2/	947,948	244,503	138,511	77,513	51,340	35,940	187,979
Production liabilities 3/	157,785	40,651	18,103	10,787	3,517	2,591	28,337
Equity (net worth)	790,162	203,851	120,408	66,725	47,823	33,349	159,641
Net returns to equity 4/	63,311	14,744	5,385	3,112	296	-1,499	9,858
Ratios							
Net returns to equity	8.01	7.23	4.47	4.67	0.62	-4.50	6.18
Total debt to asset values	16.64	16.63	13.07	13.92	6.85	7.21	15.07
Real estate debt to L&B values	9.89	11.91	12.53	13.66	4.03	3.49	10.15
Non R.E. debt to non R.E. assets	50.64	33.30	14.60	14.68	15.55	18.37	34.81
Net farm income to total debt	59.60	55.94	57.74	63.78	113.61	54.70	60.33
Debt to equity	0.20	0.20	0.15	0.16	0.07	0.08	0.18
Total assets to total farm income	2.13	3.27	4.00	4.26	5.53	7.44	2.70
Total assets to net farm income	10.08	10.75	13.25	11.27	12.85	25.36	11.00

Table 3--Type of farms: Average per farm assets, debts, income, and financial ratios, U.S., 1970 (Continued)

Item	Economic class 1/						Total I - V
	Ia	Ib	II	III	IV	V	
	\$ 40,000-	\$ 40,000-	\$20,000-	\$10,000-	\$5,000-	\$2,500-	
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
FRUIT AND NUTS							
	Dollars per farm						
Production assets 2/	1,158,249	270,480	148,529	97,121	62,508	43,820	158,711
Production liabilities 3/	228,750	73,841	28,156	26,696	12,286	7,234	34,124
Equity (net worth)	929,499	196,639	120,372	70,424	49,922	41,585	124,587
Net farm returns to equity 4/	33,852	4,978	2,885	580	-1,044	-4,157	1,538
Ratios							
	Percent-						
Net returns to equity	3.64	2.53	2.40	0.82	- 2.09	-10.00	1.24
Total debt to asset values	19.75	27.30	18.96	27.49	20.14	14.82	21.50
Real estate debt to L&B values	15.34	22.33	15.34	27.32	21.24	13.65	18.30
Non R.E. Debt to non R.E. assets	63.89	56.38	37.23	28.47	13.89	21.65	43.31
Net farm income to total debt	25.15	20.07	33.74	16.45	16.51	-10.63	21.11
Debt to equity							
	Dollars-						
Total assets to total farm income	0.25	0.38	0.23	0.38	0.25	0.17	0.27
Total assets to net farm income	3.69	3.97	4.51	5.87	7.42	12.16	4.53
	20.13	18.25	15.63	22.12	30.08	-63.50	22.03

1/ Economic value based on value of gross farm sales.

2/ Includes such assets as farm land and buildings, machinery and motor vehicles, cattle and calves, hogs and pigs, sheep, poultry, horses, grains and fibers stored, demand deposits and currency, and equity in farm cooperatives.

3/ Real estate and nonreal estate secured debt.

4/ Includes income from farm product sales, machine hire, custom work, recreation services, value of home consumption, net change in values of farm crops and livestock inventories, net earnings to equity in farm cooperatives minus a deduction for all production expenses, and the allowance of a charge for operator and family labor and management.

5/ See appendix for definition of farm types.

First, as farm size increases, the absolute value of utilized assets increases substantially, but assets utilized per dollar of gross and net farm income decline (table 3). For example, for all farms, Class Ia and Ib farms used only about \$13.38 of assets per dollar of net farm income, compared with over \$19.00 for Class IV and smaller farms. This same relation was generally true for each farm type. This improved efficiency of capital is partly due to economies of size that reflect greater specialization, or perhaps more complete utilization of resources (11).

Second, larger farm units have greater assets per dollar of equity capital because operators of these units are able to use more debt capital in acquiring and controlling productive assets. As the farm size increased, debt, as a percent of total asset value, generally increased. This was true for both real estate and nonreal estate secured debt. For example, for all farms, total debt as a percent of total assets increased from nearly 13 percent on the smallest units to nearly 25 percent on the largest units. The ratio of real estate debt to land and building values increased from nearly 13 percent to 17 percent, while the ratio for nonreal estate debt to associated asset values changed from 15 to 46 percent. Total assets per dollar of equity capital averaged \$1.39 on the largest farms and \$1.14 on the smallest farms. Therefore, the ratio of debt to equity was substantially higher on larger units. Class Ia operators used 33 cents of debt for every dollar of equity; this decreased to 15 cents on Class V farms (table 3).

Small Farms

Several factors appear important in explaining how smaller size farms exist or even continue to operate with negative or low returns to equity.

First, negative returns may have existed for 1970, but returns may have been positive in other years because of fluctuating commodity prices or production levels. Thus, an operator might anticipate that favorable earnings in certain years will make up for low earnings or losses in other years. During 1960-75, average returns to all farms were significantly above the 1970 average in 5 of 16 years (17).

Second, many smaller farmers may contemplate expanding to improve their earnings and are willing to temporarily tolerate low returns. Farm sizes have increased steadily over the past several decades, reflecting efforts by many farmers to improve earnings through enlargement. Recent land transfer data indicate that over 50 percent of farmland purchased is added to an existing farm unit (21).

Third, off-farm income is relatively more important on smaller units.^{4/} Income from off-farm work or other off-farm sources contributed 95 percent of the total income on Class VI farms and 92 percent on Class V farms in 1970 (table

^{4/} Off-farm income refers to cash wages, salaries, commissions, and tips from all jobs, operations from nonfarm business or professional practices, income from social security, pensions, retirement pay, veteran's payments, annuities, unemployment insurance, workmen's compensation, old age assistance, net rental of nonfarm property, interest dividends, mineral leases, and recreational services.

4). These additional sources of income appear to be important reasons why operators of smaller farms accept low earnings from farm production.

Fourth, farmland and housing are often considered as a consumption item contributing support to nonfarm activities. Any return from farming is viewed as a supplement to a primary nonfarm occupation.

Fifth, the possibility exists that farm operators may accept less for their equity, labor, or management than they might conceivably earn with them otherwise. Nonmonetary factors may be so important that they offset foregone earnings based on market price alternatives. In addition, prices used in the residual imputation procedure may have overcharged for operators and family labor and management, and thereby understated residual earnings to equity. However, prices used for these inputs probably would have to substantially deviate from those assumed in the analysis to change the basic findings of this study.

Sixth, the potential for capital gains, especially on the land resource, may explain why some smaller farmers tolerate negative returns. These farmers may be willing to accept low earnings to equity in the shortrun if they think capital gains will increase their net worth. For example, the increase in the average price of land for all farm types during 1970 was 3.9 percent, a substantial return (table 5). Although the additional returns were less on smaller units than on larger units, the impact on returns for all sizes was substantial. Returns from capital appreciation on land add nothing to cash earnings until land is sold, but a higher level of net worth can be used as security for real estate loans.

Table 4--All types of farms: Average total farm and off-farm income per farm, 1970

Economic class category	Gross farm sales	Net farm income 1/	Off-farm income		Total income	Off-farm income as share of total
			Dollars	Percent		
Class Ia	\$100,000 and over	53,357	7,617		60,974	12
Class Ib	\$ 40,000 - \$99,999	19,566	3,950		23,516	17
Class II	\$ 20,000 - \$39,999	11,278	3,358		14,636	23
Class III	\$ 10,000 - \$19,999	6,345	4,187		10,532	40
Class IV	\$ 5,000 - \$9,999	3,262	5,448		8,710	63
Class V	\$ 2,500 - \$4,999	563	6,183		6,746	92
Class VI	Less than \$2,500	408	7,432		7,840	95
All farms		5,001	5,874		10,875	54

1/ Returns to operator and unpaid family labor, management, and equity capital.

Table 5--All types of farms: Additional rate of return due to land price increase, 1970

Economic class category	Gross farm sales	Rate of return to equity	Additional returns from land appreciation 1/	Combined rate of return
Class Ia	\$100,000 and over	6.9	3.9	10.8
Class Ib	\$ 40,000 - \$99,999	5.9	3.7	9.6
Class II	\$ 20,000 - \$39,999	4.4	3.5	7.9
Class III	\$ 10,000 - \$19,999	2.9	3.4	6.3
Class IV	\$ 5,000 - \$ 9,999	-0.1	3.3	3.2
Class V	\$ 2,500 - \$ 4,999	-6.5	3.2	-3.3
Class VI	Less than \$ 2,500	-6.1	3.3	-3.2
All farms		2.1	3.5	5.6

1/ Based on an average increase in average land values of 3.9 percent during 1970 (3).

CONCLUSIONS

Disaggregation of the national balance sheet and income accounts by type of farm and by farm size showed returns to equity increasing as economic size classes of farms increased. The average return for all types of U.S. farms with gross farm sales of \$2,500 and above was 3.3 percent in 1970. Rates of return varied substantially among the 12 major farm types, but the relationship between increasing returns to equity and increasing class size was evident. The reality for capital gains, especially on land, plus additional income from off-farm sources, could help explain why small farmers tolerate negative farm returns.

Additional returns to equity because of appreciation on land values increased the U.S. return from 2.1 percent to 5.6 percent in 1970. Additional returns were less on smaller units, but the impact on returns for all sizes was substantial.

Although it is difficult and perhaps risky to draw inferences from one year of benchmark data, several points appeared significant in terms of the future structure of the farm production sector:

1. Incentives to increase the size of farms will probably continue to exist, particularly for commercial size farms. Operators with potential for higher equity returns will bid for more land and other resources. Land prices will reflect the higher earnings from these additional units and not necessarily be based on the discounted value of average income flows. Higher returns associated with larger farms will also provide incentives for nonfarm investors to invest in farm production. Large multi-unit corporations are presently more evident among larger farms with over \$100,000 in gross farm sales (12, 13).

2. Demand for loan funds will substantially increase with the upward mobility of operators to larger farm units, and the tendency will be for these units to use more debt as a proportion of asset values. The use of debt funds was important for all farm types. Large production units with high capital requirements could also bring more equity financing, particularly if the present financial system is inadequate to meet needs for loan funds. Additional research is needed to explore the relationship between future farm capital requirements and sources of funds by both equity and debt financing.

3. The close relationship between farm size and returns to equity suggests the problem inherent in using a composite average for all farms to represent the national farming economy, as farms vary greatly in size, capital structure, and type of production. The high proportion of income from off-farm sources among smaller size classes shows that farming is not a primary source of income for many farmers. For instance, on farms with less than \$5,000 in gross farm sales, small farms have little resemblance to commercial agriculture, and therefore, measures of farm profit from data that include noncommercial farm resources are questionable.

4. The differences in returns to equity and financial structure that exist among sizes and type of farms make it important that data reflect the degree of breakdown necessary to accurately determine financial conditions and resource allocations for various farming operations. This is especially important in situations that involve Government policy. For instance, Government price support programs based on average farm earnings or average costs for all farms will likely overestimate costs or underestimate earnings of larger operations that control a majority of production assets. Government price supports based on composite average farm earnings will result in larger farms benefiting proportionally more than smaller farms. Further consequences will be higher resource prices (primarily land) and a widening in the level of returns to equity between smaller and larger farms.

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APPENDIX A

Definition of Farm Types

The type-of-farm classification represents a description of the major source of income from farm sales and is based on farm classifications of the U.S. Bureau of the Census for 1970. To be classified as a particular type, a farm must have sales of a particular product or group of products amounting in value to 50 percent or more of the total value of all farm products sold during the year.

The types of farm, together with the products on which type classification is based, are described as follows:

Cash Grain

Corn, sorghums, small grains, soybeans for beans, cowpeas for peas, dry field and seed beans, and peas.

Tobacco

Tobacco.

Cotton

Cotton and cottonseed.

Other Field Crops

Peanuts, potatoes (Irish and sweet), sugarcane for sugar or syrup, sweet sorghums for syrup, broomcorn, popcorn, sugarbeets, mint, hops, sugarbeet seed, and pineapples.

Vegetable

Vegetables.

Fruit and Nut

Berries, other small fruits, tree fruits, grapes, nuts, and coffee.

Poultry

Chickens, chicken eggs, turkeys, and other poultry products.

Dairy

Dairy products (milk, cream, etc.). The criterion of 50 percent of total sales was modified in the case of dairy farms. A farm having value of sales of dairy products amounting to less than 50 percent of the total value of farm products sold classified as a dairy farm, if

- a. dairy products sold accounted for more than 30 percent of the total value of products sold, and
- b. milk cows represented 50 percent or more of total cows, and
- c. the value of dairy products sold, plus the value of cattle and calves sold, amounted to 50 percent or more of the total value of all farm products sold.

Livestock Other Than Dairy and Poultry

Cattle, calves, hogs, sheep, goats, wool, and mohair except for farms in the 17 Western States, Louisiana, Florida, Hawaii, and Alaska that qualified as livestock ranches.

Livestock Ranches

Farms in the 17 Western States, Louisiana, Florida, Hawaii, and Alaska were classified as livestock ranches if the sales of livestock, wool, and mohair represented 50 percent or more of the total value of farm products sold, and if pastureland or grazing land amounted to 100 acres or more and was at least 10 times the acreage of cropland harvested.

General

Field seed crops, hay, grass, and silage. A farm was also classified as general if it had cash income from three or more sources and did not meet the criteria for any other type.

Miscellaneous

Nursery and greenhouse products, forest products, mules, horses, colts, ponies, furbearing animals, bees, honey, goat milk, and farms with no value of farm products sold. Also all institutional farms and Indian reservations.

Distribution Procedures

Distribution of the national balance sheet of the farming sector and farm income accounts was made to farm types for economic class categories with \$2,500 or more in gross farm sales in order to estimate benchmark earnings to equity capital for calendar year 1970. Control values for the farm production sector are shown in appendix tables 1 and 2. Estimates of values for the farm production sector were derived by deducting the household element from the balance sheet (as of Jan. 1, 1970) and farm income accounts (calendar year 1970) (18). Where possible, the distribution of control totals to economic classes was based on the use of first approximations of distributions from average benchmark measures. Benchmark estimates used were primarily from empirical data derived from the 1969 Census of Agriculture and the 1970 Census Survey of Farm Finance (22, 23). The resulting data are believed to be relatively close to a measure of the financial conditions that existed in 1970, which are representative of the structural differences that currently exist.

Appendix Table 1. The U.S. farm and household balance sheet account and the farm production sector account, 50 States, January 1, 1970

Item	National Farm and Household Accounts 1/		Farm Production Sector Accounts 2/	
	All Farms 3/	Farm 4/	\$2,500 Gross Farm Income	
	Billion Dollars			
Assets				
Land and buildings	\$206.86	\$187.05	\$164.90	
Farmland and buildings	187.05	187.05	164.90	
Farm housing	19.81	0	0	
Household equipment & furnishings	9.70	0	0	
Machinery & motor vehicles	32.30	29.55	26.29	
Cattle and calves	20.16	20.16	18.55	
Hogs and pigs	2.22	2.22	2.15	
Sheep and lambs	.51	.51	.47	
Chickens (excluding broilers)	.54	.54	.53	
Broilers	0	.16	.16	
Turkeys	.04	.04	.04	
Horses and ponies	0	.09	.08	
Crops stores	10.92	4.12	4.03	
Demand deposits and currency (working)	6.38	4.78	3.59	
Time deposits and U.S. bonds	9.25	0	0	
Equity in farm cooperatives	7.20	7.20	6.31	
Total Assets	\$306.08	\$256.42	\$227.08	
Liabilities				
Real estate debt	29.18	26.37	24.11	
Non real estate debt	21.17	18.82	17.94	
CCC loans	2.70	0	0	
Total Liabilities	\$ 53.05	\$ 45.19	\$ 42.05	
Equity	\$253.03	\$211.23	\$185.03	

- 1/ Balance Sheet of the Farming Sector, Agr. Inf. Bul. 389, Sept. 1975, U.S. Dept. of Agriculture, Economic Research Service.
- 2/ The farm production sector excludes the value of farm household dwelling and equipment furnishings, trucks, automobiles, savings accounts, and debts associated with household element.
- 3/ Includes all economic size classes.
- 4/ Includes only economic size classes with \$2,500 and greater gross farm sales.

Appendix Table 2. The U.S. farm and household income account and the farm production sector account, 50 States, 1970

Item	National Farm and Household Income Accounts 1/	Farm Production Sector Accounts 2/		
		Total All Farms 3/	Farms 4/	>\$2,500 Gross Farm Sales
		-- Million Dollars --		
Income				
Cash receipts from farm marketings	\$50,538.7	\$50,538.7		\$49,172.0
Government payments	3,717.4	3,717.4		3,445.5
Custom work, recreation, machine hire value of home consumption and net change in farm inventory values	1,299.9	1,299.9		\$17.0
Gross rental value of dwelling	3,019.0	---		---
Net income from farm co-ops	---	602.1		529.0
Total	\$58,575.0	\$56,153.1		\$54,063.5
Expenses				
Production items	44,572.4	41,384.1	2/	39,629.4
Net income to operators, family labor, management, and equity	\$14,002.6	\$14,774.0		\$14,434.1

1/ Farm Income Statistics, Sta. Bul. 547, U.S. Dept. of Agriculture, Economic Research Service, July 1975.

2/ The farm production sector excludes items related to the farm household, such as repairs, depreciation, taxes, insurance, and interest expenses on farm operator's dwelling and net rent to non-operator landlords. Farm production expenses include livestock and poultry purchased, feed, seed, hay, fertilizer, fuel, hired farm labor, contract labor, machine hire and custom work, depreciation, taxes, interest, insurance, repairs, and other expenses related to the farm business.

3/ Includes all economic size classes.

4/ Includes only economic size classes with \$2,500 and greater gross farm sales.

Farm Numbers

Total farm numbers are available from the Statistical Reporting Service (SRS) (16). The Economic Research Service (ERS) estimates farm numbers by economic class at the national level (18). Based on these estimates, distribution was made to each farm type according to the relation between farm numbers at the national level as indicated in the 1969 Census of Agriculture.

Balance Sheet Accounts

Value of Land and Buildings

Estimates of the value of land and buildings for all farms are available in the Balance Sheet of the Farming Sector (BSFS). The data, however, reflect estimates of the value of household dwellings. The BSFS value is based on end-of-year data from the 1969 Census of Agriculture.

For this analysis, control values were allocated to economic class and farm type size based on the same relative proportion that existed in the value of land and buildings, as contained in the Farm Finance Survey of 1970. The average value of land and buildings was multiplied by 1970 farm numbers to determine the relative distribution.

The total value of land and buildings in the BSFS was reduced by the value of household dwellings in order to determine the value of real estate associated with farm production. Control values for farm dwellings and farm types were distributed to economic class in the same proportion as the value of gross rental from farm dwellings. Gross rental value estimates were established from the latest benchmark, a 1961 survey of consumer expenditures (20).

Machinery and Motor Vehicles

The estimates for the BSFS value of machinery and motor vehicles were modified to exclude automobiles and trucks used for nonfarm purposes. It was assumed that for farms reporting motor vehicles in the 1969 census, a proportion of their value was associated with nonfarm use. This proportion was estimated to be 6 percent of the value of an automobile and 25 percent of the value of a truck.

Allocation of the U.S. value was made to farm types in the same proportion that existed for the value of equipment and machinery in the 1969 census.

Cattle and Calves

The BSFS estimate for total value of cattle and calves was based on estimates of value from SRS. For the 1970 base year, control values were allocated to economic classes according to the relation found in the 1969 census. Since the value of livestock was not determined in the census by economic classes, the number of livestock reported was multiplied by the average price per head in each region (based on SRS estimates) to determine total value.

Hogs and Pigs

Same procedure as for cattle and calves.

Sheep and Lambs

Same procedures as for cattle and calves.

Chickens (excluding broilers)

Same procedure as for cattle and calves.

Turkeys

Same procedure as for cattle and calves.

Broilers

The BSFS excluded broilers from the assets account, and broiler value estimates were not available from SRS. Therefore, to include broilers in production assets, the 1969 census value of broilers was used as a 1970 control value. This value was allocated to farm types according to the relation of the number of broilers and other meat-type chickens sold, an estimate also available from the 1969 census.

Horses and Ponies

The BSFS excluded horses and ponies from the assets account, and estimates were not available from SRS. To estimate the value of horses and ponies as assets, it was assumed that on January 1, 1970, one work horse was used in conjunction with every 100 cows and heifers. The value of horses and ponies was then derived by multiplying an estimated value per horse by the number of horses for each economic class. The U.S. value for all horses and ponies was determined by totaling the values for economic classes.

Feed Grains and Hay Stored

Control values from the BSFS were adjusted to exclude the value of grains under the Commodity Credit Corporation (CCC) storage. This was necessary since the value of crops under the CCC in a year are counted as cash receipts in the farm income accounts for that year. In addition, because farm inventory values are normally at their peak on January 1, these assets were reduced by one-half to more accurately represent annual average inventory values. Farm control values were allocated to economic class categories, based on the 1969 census.

Food, Fiber, and Oil Crops Stored

Control values from the BSFS were derived by the same method used for feed grains and hay. Farm control values were allocated to economic class categories based on the proportional value of food, fiber, and oil crops sold, as stated in the 1969 census.

Financial Assets

The BSFS includes four categories of financial assets: currency, demand deposits, time deposits, and U.S. savings bonds. It was assumed that three-fourths of the value of demand deposits and currency on hand, as reported in the balance sheet, could be used to represent working capital needs. Time deposits and bonds were considered accumulated savings belonging to the household element, and were excluded in determining production assets. For 1970, adjusted control values at the U.S. level were allocated to farm types by region in relation to the level of cash on hand and in banks, based on the benchmark data from the 1966 Pesticide and General Farm Survey (12).

Net Worth in Farm Cooperatives

The BSFS includes net worth estimates for marketing and supply cooperatives, farmers mutual insurance companies, rural electric cooperatives (telephone and electric), Production Credit Associations (PCA's), and Federal Land Bank Associations (FLB's). Allocation of control values to farm types and economic classes was based on several underlying assumptions. Allocation to economic classes for supply cooperatives was based on the relative value of feed, fertilizer, and petroleum inputs purchased, as determined from the 1969 census. Allocation of control values to farm types was based on the relative importance of each farm type served by the supply cooperative. For marketing cooperatives, allocation to economic classes was based on the relative value of farm products sold, as determined from the 1969 census. Allocation to farm types was based on the relative importance of the volume of marketings contributed by each farm type.

Net worth estimates for farmers mutual insurance companies were based on the relative value of buildings on farms, as indicated in the 1970 Farm Finance Survey. Allocation of farm types was also based on relative building value.

Values for farmers mutual irrigation were based on information in the 1969 census on the relative number of acres irrigated. Allocation of net worth for rural electric cooperatives was based on State data supplied by the Rural Electrification Administration (REA), U.S. Department of Agriculture. Distribution of control values of farm types and economic classes was based on the relative importance of farm numbers.

Values of the net worth in PCA and FLB cooperatives were based on annual summary reports published by these agencies (3). Distribution of control values for the PCA to economic classes was based on the relative amount of nonreal estate debt from the 1970 Farm Finance Survey. Distribution of values for the FLB was based on the relative amount of real estate debt for each economic class from the same source.

Farm Real Estate Debt

Total farm real estate debt was determined by reducing the BSFS estimate of farm debt to exclude debt associated with farm household dwellings. Debt on farm dwellings was assumed in the same proportion of the total debt as the dwelling

value was to total value of land and buildings (app. table 1). To allocate control values to economic classes and farm types, a relative distribution was determined from estimates derived from the 1970 Farm Finance Survey (23).

Nonreal Estate Debt

Total nonreal estate debt was determined by the same procedure as the real estate debt. Estimates are available for nonreal estate debt held by institutional lenders and were used as a basis to allocate total nonreal estate debt. To allocate control values to economic classes and farm types, a relative distribution was determined from estimates of nonreal estate derived from the 1970 Farm Finance Survey.

Income and Expense Accounts

Farm Income

Cash income to the farm production sector includes cash receipts from farm marketings, Government payments, and income from recreational and custom services. Also included are indirect sources of income, such as the value of farm inventories, and net income to farm cooperatives. Farm production estimates of these income elements were estimated as a part of the national farm income accounts, except for net income from farm cooperatives.

Estimates of net earnings of cooperatives were available from the Federal Land Banks, Federal Land Bank Association, and Production Credit Associations (4). Net earnings from marketing and supply cooperatives were estimated from data of the Farmer Cooperative Service (5). Net earnings to the rural electric cooperatives were based on unpublished data supplied by the REA. It was assumed that earnings were six percent of equity for farmers mutual irrigation and farmers mutual insurance companies.

Values of cash receipts, Government payments, and income from farm recreation and custom services were distributed to economic classes and farm types based on the value of these items in the 1969 census. Values of home consumption of farm production were distributed to economic classes based on the relative distributed of farm numbers. Net changes in the value of farm inventory resulted from changes in crops and livestock values. The value of crops and livestock sold, as indicated in the 1969 census, was used as a basis to distribute inventory change values by economic classes. The distribution of net earnings from cooperatives to economic classes was based on the relative net worth values assumed for each cooperative.

Production Expenses

The national farm and household income accounts were adjusted to exclude expenses associated with the farm household and also excluded net rent paid to nonoperator landlords. Household items included repairs, depreciation, taxes, interest, and insurance on the operator's dwelling (app. table 2). Allocation of control values to economic class categories and farm types was based on the relative distribution of production expenses from the 1969 census.

Imputed Labor and Management Allowances

Operator and Family Labor

The value of labor contributed by the operator and his family to farm production was based on the number of hours used in farm production times a wage rate for hired workers. Average wage rates paid to hired workers are available from SRS (15). ERS estimates total hours used by operators and family members in farm production for the United States (13). The amount of labor contributed in each farm production region was based on the relative contribution of operator and family labor as published in the 1966 Pesticide and General Farm Survey (12).

The allocation of regional values to economic classes and farm types was based on labor data from the 1969 Census of Agriculture and the 1966 Pesticide and General Farm Survey (12). The average value of hired labor per farm for each economic class is available from the 1969 census. It was assumed that the total value of labor per farm could be derived from the 1969 census data, based on the proportion of total labor contributed by the operator and his family. The difference between the total value of labor required and the value of hired labor was determined by that furnished by the operator and his family. Derived estimates of the value of operator and family members were multiplied by farm numbers in each economic class to determine the relative proportion of the control value allocated to economic classes.

Management Charge Allowances

The input value of management contributed by the operator was based on a percentage of the value of farm sales adjusted to exclude feed and livestock purchases. Management fee allowances ranged from 10 percent of adjusted gross farm sales on farms with \$10,000 and less gross farm income to 5 percent on farms with \$100,000 and above. These estimates of management fees were based on rates charged by a major management service firm.

APPENDIX B

Returns to Equity in Farm Production Assets and Financial Data by Farm Types

TABLE 1 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, CASH GRAIN, U.S.

ECONOMIC CLASS

ITEM	ECONOMIC CLASS					TOTAL IA-V COMBINED
	IA	I	II	III	IV	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999
ALL FARMS (THOUSAND DOLLARS)						
NUMBER OF FARMS	4346	30436	74093	94387	91317	87006
381585						
PRODUCTION ASSETS:						
LAND & BUILDINGS	3537063	9226970	12798174	9659663	5492902	3124978
MACHINES & MGT VEHIC	457045	1457999	1443813	1624275	935668	579286
CATTLE & CALVES	82115	252486	397305	321153	161907	74104
HOGS & PIGS	7950	48112	69098	40645	15615	6421
SHEEP, POULTRY, HORSES	2791	5987	11658	11530	6858	3971
FEED GRAINS & HAY STORED	135018	439635	604381	443185	221991	105973
OTHER GRAINS & FIBERS STORED	33952	102090	118715	81238	37453	15860
DEMAND DEPOSITS & CURRENCY	15473	107332	179215	160305	132737	105247
EQUITY IN FARM COOPS	230055	284375	326134	249855	146010	101712
TOTAL ASSETS	4501462	11924986	15948493	12591849	7151141	4117552
48438575						
PRODUCTION LIABILITIES:						
REAL ESTATE SECURED DEBT	470149	1063221	1318034	989597	654950	283907
NON REAL ESTATE SECURED DEBT	264266	736568	916069	630263	304908	164938
TOTAL LIABILITIES	734415	1799789	2234103	1619860	959858	448845
EQUITY	3767047	10125197	13714390	10971989	6191283	3668707
48438575						
INCOME						
CASH RECEIPTS	768646	1857565	2187454	1439641	705249	324854
GOVERNMENT PAYMENTS	79576	243809	366540	296406	167076	94247
OTHER FARM INCOME	64200	107124	142544	120783	80528	60773
TOTAL INCOME	912422	2208498	2696538	1856830	952853	479874
PRODUCTION EXPENSES	597121	1252964	1462946	1023683	533450	348375
5218539						
NET RETURN TC:						
EQUITY, OPT. & FAMILY & MGT.	315301	955534	1233592	833147	419403	131499
LESS OPT. & FAMILY LABOR	49484	143760	263968	275755	304056	294609
LESS MANAGEMENT FEE	37835	133106	180473	139444	77754	36685
NET INCOME TO EQUITY	228002	678668	769151	417948	37593	-199795
1931567						
RATIO (PERCENT)						
NET RETURNS TO EQUITY	6.05	6.70	5.61	3.81	0.61	-5.45
3.99						

TABLE 1 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, CASH GRAIN, U.S.

ECONOMIC CLASS

ITEM	IA	I	II	III	IV	V	TOTAL
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	IA-V COMBINED
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	4346	30436	74093	94387	91317	87006	381585
AVERAGE PER FARM (DOLLARS)							
PRODUCTION ASSETS:							
LAND & BUILDINGS	813866	304159	172731	102341	60152	35916	114888
MACHINES & MOT VEHIC	105164	47903	19486	17208	10246	5658	17029
CATTLE & CALVES	18894	8295	5362	3402	1773	851	3378
HUGS & PIGS	1829	1580	932	430	170	73	492
SHEEP, POULTRY, HORSES	641	196	155	121	73	44	110
FEED GRAINS & HAY STORED	31067	14444	8157	4695	2430	1217	5110
OTHER GRAINS & FIBERS STORED	7812	3354	1602	860	410	182	1020
DEMAND DEPOSITS & CURRENCY	3560	3526	2416	1698	1453	1209	1835
EQUITY IN FARM COOPS	52934	9343	4401	2647	1598	1169	3506
TOTAL ASSETS	1035771	391805	215249	133406	79311	47324	147373
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	108179	34933	17788	10484	7172	3263	12526
NON REAL ESTATE SECURED DEBT	60806	24200	12363	6677	3339	1895	7906
TOTAL LIABILITIES	168986	59133	30152	17161	10511	5158	20432
EQUITY	866785	332671	185097	116244	67799	42166	126940
INCOME							
CASH RECEIPTS	176862	61031	29523	15252	7723	3733	19087
GOVERNMENT PAYMENTS	18310	8010	4947	3140	1829	1083	3269
OTHER FARM INCOME	14772	3519	1923	1279	831	698	1509
TOTAL INCOME	209945	72562	36393	19672	10434	5515	23866
PRODUCTION EXPENSES	137395	41167	19744	10845	5841	4004	13675
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	72549	31394	16649	8826	4592	1511	10190
LESS OPT. & FAMILY LABOR	11381	4723	3832	2921	3329	3386	3542
LESS MANAGEMENT FEE	8705	4373	2435	1477	851	421	1586
NET INCOME TO EQUITY	52462	22258	10380	4428	411	-2296	5061
RATIO (PERCENT)							
NET RETURNS TO EQUITY	6.05	6.70	5.61	3.81	0.61	-5.45	3.99

TABLE 1. RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, CAST GRAIN, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	II	III	IV	V		
NUMBER OF FARMS	1.14	7.98	19.42	24.74	23.93	22.80	100.00
PERCENT OF COMPONENT VALUE							
PRODUCTION ASSETS:							
LAND & BUILDINGS	8.07	21.05	29.19	22.05	12.53	7.13	100.00
MACHINES & MCT VEHIC	7.05	22.44	25.00	14.40	12.56	8.91	100.00
CATTLE & CALVES	6.37	19.59	30.82	24.91	8.31	5.75	100.00
HOGS & PIGS	4.23	25.61	36.79	21.64	16.03	3.42	100.00
SHEEP,POULTRY,HORSES	6.52	13.99	27.24	26.94	11.38	9.28	100.00
FEED GRAINS & FAY STORED	6.92	22.54	30.99	22.73	4.07	5.43	100.00
OTHER GRAINS & FIBERS STORED	8.72	26.22	30.49	20.87	15.03	4.07	100.00
DEMAND DEPOSITS & CURRENCY	2.21	15.33	25.59	22.89	10.91	7.60	100.00
EQUITY IN FARM COOPS	17.19	21.25	24.37	18.67	12.72	7.32	100.00
TOTAL ASSETS	8.00	21.21	28.36	22.39			
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	9.84	22.24	27.57	20.70	13.70	5.94	100.00
NON REAL ESTATE SECURED DEBT	8.76	24.41	30.36	20.89	12.11	5.47	100.00
TOTAL LIABILITIES	9.42	23.08	28.65	20.78	12.31	5.76	100.00
EQUITY	7.78	20.90	29.31	22.05	12.78	7.57	100.00
INCOME							
CASH RECEIPTS	10.55	25.50	30.03	19.77	9.68	4.46	100.00
GOVERNMENT PAYMENTS	6.38	19.54	29.38	23.76	11.39	7.55	100.00
OTHER FARM INCOME	11.15	18.60	24.75	20.97	11.98	10.55	100.00
TOTAL INCOME	10.02	24.25	29.61	20.39	11.46	5.27	100.00
PRODUCTION EXPENSES	11.44	24.01	28.03	19.62	11.22	6.68	100.00
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	8.11	24.57	31.72	21.43	11.79	3.38	100.00
LESS OPT. & FAMILY LABOR	3.66	10.64	21.01	20.40	22.50	21.80	100.00
LESS MANAGEMENT FEE	6.25	21.99	29.82	23.04	12.85	6.06	100.00
NET INCOME TC EQUITY	11.80	35.14	39.82	21.64	1.95	10.34	100.00

TABLE 1 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, CASH GRAIN, U.S.

ECUNOMIC CLASS

ITEM	IA	I	II	III	IV	V	TOTAL
	\$40,000	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500	IA-V
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	COMBINED
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PERCENT OF COMPONENT VALUE							
PRODUCTION ASSETS:							
LAND & BUILDINGS	78.58	77.38	80.25	76.71	75.81	75.89	77.96
MACHINES & MCT VEHIC	10.15	12.23	9.05	12.90	13.08	14.07	11.56
CATTLE & CALVES	1.82	2.12	2.49	2.55	2.26	1.80	2.29
HOGS & PIGS	0.18	0.40	0.43	0.32	0.22	0.16	0.33
SHEEP, POULTRY, HORSES	0.06	0.05	0.07	0.09	0.10	0.10	0.08
FED GRAINS & FAY STORED	3.00	3.09	3.79	3.52	3.10	2.57	3.47
OTHER GRAINS & FIBERS STORED	0.75	0.86	0.74	0.65	0.52	0.39	0.69
DEMAND DEPOSITS & CURRENCY	0.34	0.90	1.12	1.27	1.86	2.56	1.25
EQUITY IN FARM COOPS	5.11	2.38	2.04	1.98	2.04	2.47	2.38
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	64.02	59.07	59.00	61.09	63.23	63.25	61.30
NON REAL ESTATE SECURED DEBT	35.98	40.93	41.00	38.91	31.77	36.75	38.70
TOTAL LIAILITIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
INCOME							
CASH RECEIPTS	84.24	84.11	81.12	77.53	74.01	67.70	79.98
GLVERNMENT PAYMENTS	8.72	11.04	13.59	15.96	17.53	19.64	13.70
OTHER FARM INCCME	7.04	4.85	5.29	6.50	3.45	12.66	6.32
TOTAL INCCME	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00	100.00
LESS OPT. & FAMILY LABOR	15.69	15.04	23.02	33.10	72.50	224.04	34.76
LESS MANAGEMENT FEE	12.00	13.93	14.63	16.74	18.54	27.90	15.57
NET INCOME TO EQUITY	72.31	71.02	62.35	50.16	3.96	-151.94	49.67

TABLE 2 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, TOBACCO, U.S.

ECONOMIC CLASS

ITEM	IA	I	II	III	IV	V	TOTAL IA-V
	\$100,000+	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	COMBINED
NUMBER OF FARMS	275	1958	7547	16771	33174	36978	93703
ALL FARMS (THOUSAND DOLLARS)							
PRODUCTION ASSETS:							
LAND & BUILDINGS	116928	305304	592508	727394	771204	645064	3158452
MACHINES & MGT VEHIC	16560	49893	118004	134940	155427	140650	615074
CATTLE & CALVES	4322	10978	25093	33645	38549	37751	150338
HOGS & PIGS	645	2319	6644	7173	5903	3408	25992
SHEEP, POULTRY, HORSES	11	353	649	826	873	657	3369
FEED GRAINS & FAY STORED	600	3688	7590	7398	5038	2442	26756
OTHER GRAINS & FIBERS STORED	4200	6705	12798	14811	12609	8869	57992
DEMAND DEPOSITS & CURRENCY	1719	6505	17586	27272	42522	45693	141297
EQUITY IN FARM COOPS	29552	28981	36092	34508	32174	29792	191099
TOTAL ASSETS	174537	414726	816964	987957	1064359	912226	4370769
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	24487	27545	50911	71537	59127	36052	269659
NON REAL ESTATE SECURED DEBT	19945	39225	65143	67797	45126	41037	278273
TOTAL LIABILITIES	44432	66770	116054	139334	104253	77089	547932
EQUITY	130105	347956	700910	848623	960106	835137	3822837
INCOME							
CASH RECEIPTS	85405	112580	214657	244918	225924	141034	1024518
GOVERNMENT PAYMENTS	2067	5771	8748	8778	8752	7270	41386
OTHER FARM INCOME	8422	9013	15162	18344	21449	21286	93676
TOTAL INCOME	95894	127364	239507	272040	256125	169590	1159580
PRODUCTION EXPENSES	59712	69609	134352	141198	120084	96166	621121
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	36182	57755	104215	130842	136041	73424	538459
LESS OPT. & FAMILY LABOR	3880	7850	19584	39213	44087	128143	292363
LESS MANAGEMENT FEE	4153	7623	18669	24310	25241	16006	96008
NET INCOME TC EQUITY	28149	42276	65962	68313	26113	-70725	160088
RATIO (PERCENT)							
NET RETURNS TC EQUITY	21.64	12.15	9.41	8.05	2.72	-8.47	4.19

TABLE 2 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, TOBACCO, U.S.

ECONOMIC CLASS							
ITEM	IA	I	II	III	IV	V	TOTAL IA-V COMBINED
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
		\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	

TABLE 2 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, TOBACCO, U.S.

ECONOMIC CLASS									
ITEM	IA	I	II	III	IV	V	TOTAL		
		\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	IA-V		
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	COMBINED		

NUMBER OF FARMS	275	1958	7547	16771	30174	36978	93703		

PRODUCTION ASSETS:									
LAND & BUILDINGS	425152	155926	78509	43371	25560	17444	33707		
MACHINES & MOT VEHIC	60218	25481	15635	8046	5151	3803	6568		
CATTLE & CALVES	15716	5606	3324	2006	1277	1020	1604		
HOGS & PIGS	2345	1184	880	427	195	89	277		
SHEEP,POULTRY,HORSES	40	179	84	48	27	16	34		
FEED GRAINS & FAY STORED	2181	1883	1005	441	166	66	285		
UTHER GRAINS & FIBERS STORED	15272	3424	1695	883	417	185	618		
DEMAND DEPOSITS & CURRENCY	6250	3322	2330	1626	1409	1235	1507		
EQUITY IN FARM COOPS	107461	14801	4782	2057	1066	805	2039		
TOTAL ASSETS	634680	211811	108250	58908	35274	24669	46644		

PRODUCTION LIABILITIES:									
REAL ESTATE SECURED DEBT	89043	14067	6745	4265	1959	974	2877		
NON REAL ESTATE SECURED DEBT	72527	20033	8631	4042	1495	1109	2969		
TOTAL LIABILITIES	161570	34101	15377	8308	3455	2084	5847		

EQUITY	473109	177709	92872	50600	31818	22584	40797		

INCOME									
CASH RECEIPTS	310563	57497	28442	14603	7487	3813	10933		
GOVERNMENT PAYMENTS	7515	2947	1159	523	290	196	441		
OTHER FARM INCCME	30625	4603	2009	1093	710	575	999		
TOTAL INCCME	348705	65048	31610	16220	8488	4586	12375		

PRODUCTION EXPENSES	217134	35551	17802	8419	3979	2600	6628		

NET RETURN TC:									
EQUITY, OPT., FAMILY & MGT.	131570	29496	13808	7801	4508	1985	5746		
LESS OPT. & FAMILY LABOR	14109	4012	2594	2278	2806	3465	3013		
LESS MANAGEMENT FEE	15101	3893	2473	1449	836	432	1024		
NET INCOME TC EQUITY	102360	21591	8740	4073	865	-1912	1708		

RATIO (PERCENT)									
NET RETURNS TO EQUITY	21.64	12.15	9.41	8.05	2.72	-8.47	4.19		

TABLE 3 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, COTILEN, U.S.

ITEM	ECONOMIC CLASS							TOTAL IA-V COMBINED
	IA	I	II	III	IV	V		
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999		
ALL FARMS (THOUSAND DOLLARS)								
NUMBER OF FARMS	1210	3560	5831	7410	8735	15661	42407	
PRODUCTION ASSETS:								
LAND & BUILDINGS	1256973	1187294	1027014	785575	489094	444376	5190328	
MACHINES & MOT VEHIC	152348	199574	208242	134940	90147	85820	871071	
CATTLE & CALVES	21609	25614	25093	21410	15420	15380	124526	
HOGS & PIGS	215	580	664	797	762	875	3893	
SHEEP,POULTRY,HORSES	434	294	517	353	250	197	2045	
FEED GRAINS & HAY STORED	15002	16966	14232	9415	4702	2767	63084	
OTHER GRAINS & FIBERS STORED	12601	13843	10371	7032	3730	2424	50001	
DEMAND DEPCSITS & CURRENCY	5502	13660	14237	12638	13216	15402	74655	
EQUITY IN FARM COOPS	62379	55891	56347	39442	22175	18927	255161	
TOTAL ASSETS	1527063	1513716	1356717	1011602	639496	586170	6634764	
PRODUCTION LIAILITIES:								
REAL ESTATE SECURED DEBT	176306	110178	101822	39743	29564	79614	537227	
NON REAL ESTATE SECURED DEBT	109695	74093	44786	70308	28052	32356	359290	
TOTAL LIAILITIES	286001	184271	146608	110051	57616	111970	896517	
EQUITY	1241062	1329445	1210109	901551	581380	474200	5738247	
INCOME								
CASH RECEIPTS	273297	236417	173770	113499	70220	47540	914743	
GOVERNMENT PAYMENTS	114713	100986	83106	59416	30598	30118	424937	
OTHER FARM INCOME	22385	19620	19610	15287	10007	10644	97553	
TOTAL INCCME	410395	357023	276486	188202	116825	88302	1437233	
PRODUCTION EXPENSES								
	283633	234931	164208	105898	62351	58062	909083	
NET RETURN TO:								
EQUITY, OPT., FAMILY & MGT.	126762	122092	112278	82304	54474	30240	528150	
LESS OPT. & FAMILY LABOR	5819	10998	15912	11361	14285	22755	81130	
LESS MANAGEMENT FEE	13842	17005	15212	11414	7543	5524	70540	
NET INCOME TO EQUITY	107101	94089	81154	59529	32646	1961	376480	
RATIO (PERCENT)								
NET RETURNS TO EQUITY	8.63	7.08	6.71	6.60	5.61	0.41	6.56	

TABLE 3 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, COTTON, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	COMBINED
NET RETURN TO EQUITY	8.63	7.08	6.71	6.60	5.61	3.41	6.56
TOTAL DEBT TO ASSET VALUES	18.73	12.17	10.81	10.88	3.01	19.10	13.51
REAL ESTATE DEBT TO L&B VALUES	14.03	9.28	9.91	5.06	6.04	17.92	10.35
NON R.E. DEBT TO NON R.E. ASSET	40.61	22.70	13.58	31.11	19.05	22.82	24.87
NET FARM INCOME TO TOTAL DEBT	44.32	66.26	76.58	74.79	94.55	27.01	58.91
DEBT TO EQUITY	0.23	0.14	0.12	0.12	0.10	0.24	0.16
TOTAL ASSETS TO TOTAL FARM INC.	3.72	4.24	4.91	5.33	5.47	6.04	4.62
TOTAL ASSETS TO NET FARM INCOME	12.05	12.40	12.08	12.29	11.74	19.38	12.56

TABLE 3 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, COTTON, U.S.

ECONOMIC CLASS

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
NUMBER OF FARMS	1210	3560	5831	7410	8735	15661	42407
AVERAGE PER FARM (DOLLARS)							
PRODUCTION ASSETS:							
LAND & BUILDINGS	1058821	333509	176140	106015	55492	28374	122393
MACHINES & MCT VEHIC	125907	56060	35712	18210	10320	5479	20540
CATTLE & CALVES	17858	7194	4303	2889	1765	982	2936
HUGS & PIGS	177	162	113	107	87	55	91
SHEEP, POULTRY, HORSES	358	82	88	46	27	11	46
FEED GRAINS & HAY STORED	12398	4765	2440	1270	538	176	1487
OTHER GRAINS & FIBERS STORED	10414	3888	1778	948	427	154	1179
DEMAND DEPOSITS & CURRENCY	4547	3837	2441	1705	1512	593	1760
EQUITY IN FARM COLPS	51552	15699	9663	5322	2538	1208	6016
TOTAL ASSETS	1262036	425201	232673	136518	73210	37428	156454
PRODUCTION LIAILITIES:							
REAL ESTATE SECURED DEBT	145707	30948	17462	5363	3384	5083	12668
NON REAL ESTATE SECURED DEBT	90657	20812	7680	9488	3211	2066	8472
TOTAL LIABILITIES	236364	51761	25142	14851	6595	7149	21140
EQUITY	1025671	373439	207530	121666	66614	30279	135313
INCOME							
CASH RECEIPTS	225865	66409	29801	15317	9038	3035	21570
GOVERNMENT PAYMENTS	94804	28366	14252	8018	4139	1923	10020
OTHER FARM INCOME	18500	5511	3363	2063	1145	679	2300
TOTAL INCOME	339169	100287	47416	25398	13374	5638	33891
PRODUCTION EXPENSES	234407	65991	28161	14291	7138	3707	21437
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	104762	34295	19255	11107	6236	1930	12454
LESS OPT. & FAMILY LABOR	4809	3089	2728	1532	1635	1452	1913
LESS MANAGEMENT FEE	11439	4776	2608	1540	863	352	1663
NET INCOME TO EQUITY	88513	26429	13917	8033	3737	125	8677
RATIO (PERCENT)							
NET RETURNS TO EQUITY	8.63	7.08	6.71	6.60	5.61	0.41	6.56

TABLE 3 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, COTTON, U.S.

ECONOMIC CLASS							
ITEM	IA	I	II	III	IV	V	TOTAL IA-V COMBINED
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	2.85	8.39	13.75	17.47	20.60	36.93	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	24.22	22.88	19.79	15.14	9.42	8.56	100.00
MACHINES & MGT VEHIC	17.49	22.91	23.91	15.49	10.35	9.85	100.00
CATTLE & CALVES	17.35	20.57	20.15	17.19	12.32	12.35	100.00
HGS & PIGS	5.52	14.90	17.06	20.47	13.57	22.48	100.00
SHEEP,POULTRY,HORSES	21.22	14.38	25.28	17.26	12.22	9.63	100.00
FEED GRAINS & HAY STORED	23.78	26.89	22.56	14.92	7.45	4.39	100.00
OTHER GRAINS & FIBERS STORED	25.20	27.69	20.74	14.06	7.46	4.85	100.00
DEMAND DEPOSITS & CURRENCY	7.37	18.30	19.07	16.93	17.70	20.63	100.00
EQUITY IN FARM COOPS	24.45	21.90	22.08	15.46	8.69	7.42	100.00
TOTAL ASSETS	23.02	22.81	20.45	15.25	9.64	8.83	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	32.82	20.51	18.95	7.40	5.50	14.82	100.00
NON REAL ESTATE SECURED DEBT	30.53	20.62	12.47	19.57	7.81	9.01	100.00
TOTAL LIABILITIES	31.90	20.55	16.35	12.28	6.43	12.49	100.00
EQUITY	21.63	23.17	21.09	15.71	10.14	8.26	100.00
INCOME							
CASH RECEIPTS	29.88	25.85	19.00	12.41	7.68	5.20	100.00
GOVERNMENT PAYMENTS	27.00	23.76	19.56	13.98	8.61	7.09	100.00
OTHER FARM INCOME	22.95	20.11	20.10	15.67	10.26	10.91	100.00
TOTAL INCOME	28.55	24.84	19.24	13.09	8.13	6.14	100.00
PRODUCTION EXPENSES	31.20	25.84	18.06	11.65	6.86	6.39	100.00
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	24.00	23.12	21.26	15.58	10.31	5.73	100.00
LESS OPT. & FAMILY LABOR	7.17	13.56	19.61	14.00	17.61	28.05	100.00
LESS MANAGEMENT FEE	19.62	24.11	21.57	16.18	10.69	7.83	100.00
NET INCOME TO EQUITY	28.45	24.99	21.56	15.81	8.67	0.52	100.00

TABLE 3 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, CATTEN, U.S.

ECONOMIC CLASS							
ITEM	IA	I	II	III	IV	V	TOTAL IA-V COMBINED
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PERCENT OF COMPONENT VALUE							
PRODUCTION ASSETS:							
LAND & BUILDINGS	82.31	78.44	75.70	77.66	76.48	75.81	78.23
MACHINES & MOT VEHIC	9.98	13.18	15.35	13.34	14.10	14.64	13.13
CATTLE & CALVES	1.42	1.69	1.85	2.12	2.41	2.62	1.88
HUGS & PIGS	0.01	0.04	0.05	0.08	0.12	0.15	0.06
SHEEP,POULTRY,HORSES	0.03	0.02	0.04	0.03	0.04	0.03	0.03
FEED GRAINS & HAY STORED	0.98	1.12	1.05	0.93	0.74	0.47	0.95
OTHER GRAINS & FIBERS STORED	0.83	0.91	0.76	0.70	0.58	0.41	0.75
DEMAND DEPOSITS & CURRENCY	0.36	0.90	1.05	1.25	2.07	2.63	1.13
EQUITY IN FARM COOPS	4.08	3.69	4.15	3.90	3.47	3.23	3.85
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	61.65	59.79	69.45	36.11	51.31	71.10	59.92
NON REAL ESTATE SECURED DEBT	38.35	40.21	30.55	63.89	48.69	28.90	40.08
TOTAL LIABILITIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
INCOME							
CASH RECEIPTS	66.59	66.22	62.85	60.31	67.11	53.84	63.65
GOVERNMENT PAYMENTS	27.95	28.29	30.06	31.57	31.33	34.11	29.57
OTHER FARM INCOME	5.45	5.50	7.09	8.12	3.57	12.05	6.79
TOTAL INCOME	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00	100.00
LESS OPT. & FAMILY LABOR	4.59	9.01	14.17	13.80	26.22	75.25	15.36
LESS MANAGEMENT FEE	10.92	13.93	13.55	13.87	13.85	18.27	13.36
NET INCOME TC EQUITY	84.49	77.06	72.28	72.33	59.93	6.48	71.28

TABLE 4 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, OTHER FIELD CROPS, U.S.

ECONOMIC CLASS							
ITEM	I A	I	II	III	IV	V	TOTAL I A-V COMBINED
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	2311	5162	6860	6240	5955	5655	32183
ALL FARMS (THOUSAND DOLLARS)							
PRODUCTION ASSETS:							
LAND & BUILDINGS	1461596	915912	671509	349144	183113	129012	3715207
MACHINES & MOT VEHIC	364311	227293	187413	79864	46628	28607	934221
CATTLE & CALVES	30253	32933	29275	18352	9637	5593	126043
HOGS & PIGS	1074	3478	3987	2789	1714	776	13820
SHEEP,POULTRY,HORSES	957	1682	1137	550	195	106	4673
FEED GRAINS & FAY STORED	11702	13278	8539	4035	1679	651	39884
OTHER GRAINS & FIBERS STORED	37277	19683	11916	5685	2462	1044	78067
DEMAND DEPCSITS & CURRENCY	15817	19515	16749	10643	8619	7188	78531
EQUITY IN FARM COOPS	53794	39835	34633	21453	11268	6895	167878
TOTAL ASSETS	1976821	1273609	965163	492621	270315	179875	5158404
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	239972	154250	101822	47691	20467	46567	610769
NON REAL ESTATE SECURED DEBT	274238	113318	85500	45198	21953	12627	552834
TOTAL LIAELITIES	514210	267568	187322	92889	42420	59194	1163603
EQUITY	1462611	1006041	777841	399732	227995	120681	3994801
INCOME							
CASH RECEIPTS	785728	337739	204435	95578	45795	22185	1491460
GOVERNMENT PAYMENTS	42868	28853	17496	8777	4376	2596	104986
OTHER FARM INCOME	45235	20732	10862	9848	5995	4160	102650
TOTAL INCOME	873851	387324	238793	114203	55976	28749	1699096
PRODUCTION EXPENSES	656833	269735	164208	75011	32330	19959	1218076
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	217018	117589	74585	39192	23046	8990	481020
LESS OPT. & FAMILY LABOR	30066	23567	22032	15492	14285	14371	115813
LESS MANAGEMENT FEE	40603	25214	17578	9925	4932	2408	101060
NET INCOME TO EQUITY	146349	68808	34575	13775	4429	-7789	260147
RATIO (PERCENT)							
NET RETURNS TO EQUITY	10.01	6.84	4.44	3.45	1.94	-6.45	6.51

TABLE 4 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, OTHER FIELD CROPS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
							COMBINED
NET RETURN TO EQUITY							
TOTAL DEBT TO ASSET VALUES	10.01	0.84	4.44	3.45	1.94	-6.45	6.51
REAL ESTATE DEBT TO LEB VALUES	26.01	21.01	19.41	18.86	15.69	32.91	22.56
NON R.E. DEBT TO NON R.E. ASSET	16.42	16.84	15.16	13.66	10.88	36.09	16.44
NET FARM INCOME TO TOTAL DEBT	53.23	31.68	29.12	31.50	23.71	24.83	38.31
	42.20	43.95	39.82	42.19	55.74	15.19	41.34
DEBT TO EQUITY							
TOTAL ASSETS TO TOTAL FARM INC.	0.35	0.27	0.24	0.23	0.19	0.49	0.29
TOTAL ASSETS TO NET FARM INCOME	2.26	3.29	4.04	4.31	4.83	6.21	3.04
	9.11	10.83	12.94	12.57	11.43	20.01	10.72

TABLE 4 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, OTHER FIELD CROPS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
NUMBER OF FARMS	2311	AVERAGE PER FARM (DOLLARS)					32183
		5162	6860	6240	3955	5655	
PRODUCTION ASSETS:							
LAND & BUILDINGS	632452	177433	97887	55952	31589	22813	115442
MACHINES & MCT VEHIC	157642	44031	27320	12814	7800	5058	29028
CATTLE & CALVES	13090	6379	4267	2941	1618	989	3916
HUGS & PIGS	464	673	581	446	287	137	429
SHEEP, POULTRY, HORSES	430	325	164	38	32	18	143
FEED GRAINS & HAY STORED	5063	2572	1244	646	281	115	1239
OTHER GRAINS & FIBERS STORED	16130	3813	1737	911	413	184	2425
DEMAND DEPOSITS & CURRENCY	6844	3780	2441	1705	1447	1271	2440
EQUITY IN FARM COOPS	23277	7716	5048	3437	1892	1219	5216
TOTAL ASSETS	855396	246727	140694	78945	45392	31308	160283
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	103839	29881	14842	7642	1436	8234	18978
NON REAL ESTATE SECURED DEBT	118666	21952	12463	7243	3686	2232	17177
TOTAL LIABILITIES	222505	51834	27306	14886	7123	10467	36155
EQUITY	632891	194893	113387	64055	39269	21340	124127
INCOME							
CASH RECEIPTS	339994	65427	29801	15316	7690	3923	46343
GOVERNMENT PAYMENTS	18558	5589	2550	1406	734	459	3262
OTHER FARM INCOME	19573	4016	2458	1978	974	737	3189
TOTAL INCOME	378126	75033	34809	18301	1399	5119	52794
PRODUCTION EXPENSES	284220	52253	23937	12020	5429	3529	37848
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	93906	22779	10872	6280	1970	1589	14946
LESS OPT. & FAMILY LABOR	13009	4565	3211	2482	2398	2541	3722
LESS MANAGEMENT FEE	17569	4884	2620	1590	828	425	3140
NET INCOME TO EQUITY	63327	13329	5040	2207	743	-1377	8083
RATIO (PERCENT)							
NET RETURNS TO EQUITY	10.01	6.84	4.44	3.45	1.94	-0.45	6.51

TABLE 4 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, OTHER FIELD CROPS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
NUMBER OF FARMS	7.18	16.04	21.32	19.39	18.50	17.57	100.00
PERCENT OF COMPONENT VALUE							
PRODUCTION ASSETS:							
LAND & BUILDINGS	39.34	24.65	18.07	9.40	5.06	3.47	100.00
MACHINES & MCT VEHIC	39.00	24.33	20.06	8.56	4.99	3.06	100.00
CATTLE & CALVES	24.00	26.13	23.23	14.56	7.65	4.44	100.00
HOGS & PIGS	7.77	25.17	28.85	20.18	12.40	5.63	100.00
SHEEP, POULTRY, HORSES	21.34	35.99	24.33	11.90	4.17	2.27	100.00
FEED GRAINS & HAY STORED	29.34	33.29	21.41	10.12	4.21	1.63	100.00
OTHER GRAINS & FIBERS STORED	47.75	25.21	15.26	7.28	3.15	1.34	100.00
DEMAND DEPOSITS & CURRENCY	20.14	24.85	21.33	13.55	10.98	9.15	100.00
EQUITY IN FARM COOPS	32.04	23.73	20.63	12.78	6.71	4.11	100.00
TOTAL ASSETS	38.32	24.69	18.71	9.55	5.24	3.49	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	39.29	25.26	16.67	7.81	3.35	7.62	100.00
NON REAL ESTATE SECURED DEBT	49.61	20.50	15.47	8.18	5.97	2.28	100.00
TOTAL LIABILITIES	44.19	22.99	16.10	7.98	3.65	5.09	100.00
EQUITY	36.61	25.18	19.47	10.01	5.70	3.02	100.00
INCOME							
CASH RECEIPTS	52.68	22.64	13.71	6.41	3.07	1.49	100.00
GOVERNMENT PAYMENTS	40.85	27.48	16.67	8.36	4.17	2.47	100.00
OTHER FARM INCOME	44.07	20.20	16.43	9.59	5.66	4.06	100.00
TOTAL INCOME	51.43	22.80	14.05	6.72	3.29	1.70	100.00
PRODUCTION EXPENSES	53.52	22.14	13.48	6.16	2.65	1.64	100.00
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	45.12	24.45	15.51	8.15	4.92	1.87	100.00
LESS OPT. & FAMILY LABOR	25.09	19.67	18.39	12.93	11.92	11.99	100.00
LESS MANAGEMENT FEE	40.18	24.95	17.79	9.82	4.88	2.38	100.00
NET INCOME TC EQUITY	56.26	26.45	13.29	5.30	1.70	-2.09	100.00

TABLE 4 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, OTHER FIELD CROPS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	IA-V
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	COMBINED
PERCENT OF COMPONENT VALUE							
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	73.94	71.91	69.57	70.87	69.59	71.72	72.02
MACHINES & MGT VEHIC	18.43	17.85	19.42	16.23	17.25	15.90	18.11
CATTLE & CALVES	1.53	2.59	3.03	3.73	3.57	3.11	2.44
HOGS & PIGS	0.05	0.27	0.41	0.57	0.63	0.43	0.27
SHEEP, POULTRY, HORSES	0.05	0.13	0.12	0.11	0.07	0.06	0.09
FEED GRAINS & HAY STORED	0.59	1.04	0.88	0.82	0.62	0.36	0.77
OTHER GRAINS & FIBERS STORED	1.89	1.55	1.23	1.15	0.91	0.58	1.51
DEMAND DEPOSITS & CURRENCY	0.80	1.53	1.74	2.16	3.19	4.00	1.52
EQUITY IN FARM COOPS	2.72	3.13	3.59	4.35	4.17	3.83	3.25
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	46.67	57.65	54.36	51.34	43.25	78.67	52.49
NON REAL ESTATE SECURED DEBT	53.33	42.35	45.64	48.66	51.75	21.33	47.51
TOTAL LIABILITIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
INCOME							
CASH RECEIPTS	89.92	87.20	85.61	83.69	81.81	75.03	87.78
GOVERNMENT PAYMENTS	4.91	7.45	7.33	7.69	7.82	3.97	6.12
OTHER FARM INCOME	5.18	5.35	7.06	8.62	10.37	14.40	6.04
TOTAL INCOME	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00	100.00
LESS OPT. & FAMILY LABOR	13.85	20.04	29.54	39.53	63.41	159.86	24.91
LESS MANAGEMENT FEE	18.71	21.44	24.10	25.32	20.86	20.79	21.01
NET INCOME TO EQUITY	67.44	58.52	46.36	35.15	16.73	-86.64	54.08

TABLE 5 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, POULTRY, U.S.

ECONOMIC CLASS

ITEM	ECONOMIC CLASS					TOTAL IA-V COMBINED
	IA	I	II	III	IV	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999
ALL FARMS (THOUSAND DOLLARS)						
NUMBER OF FARMS	9021	19401	15122	7410	4367	3915
60236						
PRODUCTION ASSETS:						
LAND & BUILDINGS	1081581	915912	474007	203608	112868	86008
MACHINES & MCT VEHIC	221899	243924	111062	44980	21700	16687
CATTLE & CALVES	60506	76844	41822	15293	5782	4195
HGS & PIGS	11173	10434	3987	1196	381	195
SHEEP, POULTRY, HORSES	380570	187715	75804	20064	6448	3765
FEED GRAINS & HAY STORED	4801	5901	2846	672	336	326
OTHER GRAINS & FIBERS STORED	1575	1730	662	150	74	34
DEMAND DEPOSITS & CURRENCY	48827	74807	41035	13303	6321	4621
EQUITY IN FARM COOPS	214348	143208	81070	29885	11642	6920
TOTAL ASSETS	2025280	1660475	832295	329211	165612	122751
5135624						
PRODUCTION LIABILITIES:						
REAL ESTATE SECURED DEBT	391791	280955	124450	55640	15919	10515
NON REAL ESTATE SECURED DEBT	349030	174336	114000	42687	9757	11048
TOTAL LIAILITIES	740821	455291	238450	98327	25676	21563
1580128						
EQUITY	1284459	1205184	593845	230884	139936	101188
3555496						
INCOME						
CASH RECEIPTS	2425506	1294667	500865	119472	33583	14262
GOVERNMENT PAYMENTS	7234	8656	4374	2025	796	779
OTHER FARM INCOME	8311	5699	5048	3129	2016	1785
TOTAL INCOME	2441051	1309022	510287	124626	36395	16826
4438207						
PRODUCTION EXPENSES	2089923	1122447	402769	114723	34640	17959
3844461						
NET RETURN TO:						
EQUITY, OPT., FAMILY & MGT.	351128	186575	47518	9903	1755	-3133
LESS OPT. & FAMILY LABOR	58193	67559	48960	20656	8163	7186
LESS MANAGEMENT FEE	43372	27559	10372	2481	871	425
NET INCOME TO EQUITY	247563	91457	-11814	-13234	-7279	-10744
297949						
RATIO (PERCENT)						
NET RETURNS TO EQUITY	19.43	7.59	-1.99	-5.73	-5.20	-10.62
8.38						

TABLE 5 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, POULTRY, U.S.

ECONOMIC CLASS

ITEM	IA	ECONOMIC CLASS					TOTAL IA-V COMBINED
		I	II	III	IV	V	
		\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
		AVERAGE PER FARM (DOLLARS)					
		19401	16122	7410	4367	3915	60236
NUMBER OF FARMS	9021						
PRODUCTION ASSETS:							
LAND & BUILDINGS	119895	47209	29401	27485	25845	21968	47713
MACHINES & MOT VEHIC	24598	12572	6888	6070	4982	4262	10962
CATTLE & CALVES	6707	3960	2594	2063	1324	1071	3394
HOGS & PIGS	1233	537	247	161	87	49	454
SHEEP, POULTRY, HORSES	42183	9673	4700	2705	1474	960	11192
FEED GRAINS & FAY STORED	532	304	176	90	76	83	247
OTHER GRAINS & FIBERS STORED	174	89	41	20	16	8	70
DEMAND DEPOSITS & CURRENCY	5412	3855	2545	1795	1447	1180	3136
EQUITY IN FARM COOPS	23761	7381	5028	4033	2665	1767	8096
TOTAL ASSETS	224507	85587	51624	44427	37923	31354	85258
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	43430	14481	7719	7508	3645	2685	14597
NON REAL ESTATE SECURED DEBT	38690	8985	7071	5760	2234	2821	11635
TOTAL LIABILITIES	82121	23467	14790	13269	5879	5507	26232
EQUITY	142385	62119	36834	31158	32043	25846	59026
INCOME							
CASH RECEIPTS	268273	60732	31067	16123	7690	3042	72852
GOVERNMENT PAYMENTS	801	446	271	273	182	198	396
OTHER FARM INCOME	921	293	313	422	461	455	431
TOTAL INCOME	270596	67471	31651	16618	8334	4297	73680
PRODUCTION EXPENSES	231673	57855	28704	15482	7932	5098	63823
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	38923	9616	2947	1336	401	-800	9856
LESS OPT. & FAMILY LABOR	6450	3482	3036	2787	1869	1835	3498
LESS MANAGEMENT FEE	4807	1420	643	334	199	108	1412
NET INCOME TO EQUITY	27664	4714	-732	-1785	-1666	-2744	4946
RATIO (PERCENT)							
NET RETURNS TO EQUITY	19.43	7.59	-1.99	-5.73	-5.20	-10.62	8.38

TABLE 5 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, POULTRY, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
PERCENT OF COMPONENT VALUE							
		32.21	26.76	12.30	7.25	6.50	100.00
NUMBER OF FARMS	14.58						
PRODUCTION ASSETS:							
LAND & BUILDINGS	37.63	31.87	16.49	7.09	3.93	2.99	100.00
MACHINES & MGT VEHIC	33.61	36.94	16.82	6.81	3.30	2.53	100.00
CATTLE & CALVES	29.60	37.59	20.46	7.48	2.83	2.05	100.00
HOGS & PIGS	40.83	38.13	14.57	4.37	1.39	0.71	100.00
SHEEP, POULTRY, HORSES	56.43	27.84	11.24	2.98	0.96	0.56	100.00
FEED GRAINS & FAY STORED	32.26	39.65	19.12	4.52	2.26	2.19	100.00
OTHER GRAINS & FIBERS STORED	37.28	40.95	15.67	3.55	1.75	0.80	100.00
DEMAND DEPOSITS & CURRENCY	25.85	39.60	21.72	7.04	3.35	2.45	100.00
EQUITY IN FARM COGPs	44.01	29.40	16.64	6.14	2.39	1.42	100.00
TOTAL ASSETS	39.44	32.33	16.21	6.41	3.22	2.39	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	44.56	31.95	14.15	6.33	1.81	1.20	100.00
NON REAL ESTATE SECURED DEBT	49.80	24.87	16.27	6.09	1.39	1.58	100.00
TOTAL LIABILITIES	46.88	28.81	15.09	6.22	1.62	1.36	100.00
EQUITY	36.13	33.90	16.70	6.49	3.94	2.85	100.00
INCOME							
CASH RECEIPTS	55.27	29.50	11.41	2.72	0.77	0.32	100.00
GOVERNMENT PAYMENTS	30.31	36.27	18.33	8.49	3.34	3.26	100.00
OTHER FARM INCOME	31.58	21.93	19.42	12.04	7.76	6.87	100.00
TOTAL INCOME	55.00	29.49	11.50	2.81	0.82	0.38	100.00
PRODUCTION EXPENSES	54.36	29.20	12.04	2.98	0.90	0.52	100.00
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	59.14	31.42	8.00	1.67	0.30	-0.53	100.00
LESS OPT. & FAMILY LABOR	27.62	32.06	23.23	9.80	3.87	3.41	100.00
LESS MANAGEMENT FEE	50.58	32.35	12.19	2.92	1.02	0.50	100.00
NET INCOME TO EQUITY	83.76	30.70	-3.97	-4.44	-2.44	-3.61	100.00

TABLE 6 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, DAIRY, U.S.

ECONOMIC CLASS							
ITEM	ALL FARMS (THOUSAND DOLLARS)						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500		
	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999		
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	5281	31147	85070	78035	40056	21752	267311
PRODUCTION ASSETS:							
LAND & BUILDINGS	1812380	3867186	5925080	3258681	1222735	387039	16473101
MACHINES & M/T VEHIC	245082	942433	1846414	984560	323287	107275	4449051
CATTLE & CALVES	388965	750140	1175187	682068	248642	75502	3320504
HOGS & PIGS	2578	27244	55810	25886	8550	1546	126414
SHEEP,POULTRY,HORSES	1835	5428	9971	7737	3721	1119	29871
FED GRAINS & HAY STORED	6301	31718	50286	24883	6717	1302	121207
OTHER GRAINS & FIBERS STORED	1575	6705	9709	4638	1418	337	24382
DEMAND DEPCSITS & CURRENCY	23038	108633	206850	136359	68954	28750	572584
EQUITY IN FARM CUOPS	199968	219890	282351	179796	77844	35915	995764
TOTAL ASSETS	2681722	5959377	9561658	5308668	1962268	639185	26112878
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	352611	653882	1306720	504734	134174	40558	3192679
NON REAL ESTATE SECURED DEBT	418836	727851	1042283	462026	136599	33145	2820740
TOTAL LIABILITIES	771447	1581733	2349003	966760	270773	73703	6013419
EQUITY	1910275	4377644	7212655	4341908	1691495	565482	20099459
INCOME							
CASH RECEIPTS	1144929	1880081	2524771	1224591	369363	83740	7228975
GOVERNMENT PAYMENTS	10852	31738	58612	39161	15514	5193	161070
OTHER FARM INCOME	28584	13908	12019	16648	15180	9390	95741
TOTAL INCOME	1183865	1925727	2595402	1280400	397063	103329	7485786
PRODUCTION EXPENSES	955393	1339976	1679403	816299	242477	76207	5109755
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	228472	585751	915999	404101	154586	27122	2376031
LESS OPT. & FAMILY LABOR	57223	158686	353736	237542	143865	70558	1021710
LESS MANAGEMENT FEE	34144	104374	172175	99745	33655	7932	452025
NET INCOME TO EQUITY	137105	322691	390088	126814	-22934	-51468	902296
RATIO (PERCENT)							
NET RETURNS TO EQUITY	7.18	7.37	5.41	2.92	-1.36	-9.10	4.49

TABLE 6 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, DAIRY, U.S.

ITEM	ECONOMIC CLASS					TOTAL IA-V COMBINED
	IA	I	II	III	IV	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999
NET RETURN TO EQUITY	7.18	7.37	5.41	2.92	-1.36	-9.10
TOTAL DEBT TO ASSET VALUES	28.77	26.54	24.57	18.21	13.80	11.53
REAL ESTATE DEBT TO L&B VALUES	19.46	22.08	22.05	15.49	10.97	10.48
NON R.E. DEBT TO NCN R.E. ASSET	48.18	34.79	28.66	22.54	13.47	13.15
NET FARM INCOME TO TOTAL DEBT	29.62	37.03	39.00	48.01	57.09	36.80
DEBT TO EQUITY	0.40	0.36	0.33	0.22	0.16	0.13
TOTAL ASSETS TO TOTAL FARM INC.	2.27	3.09	3.68	4.15	4.94	6.19
TOTAL ASSETS TO NET FARM INCOME	11.74	10.17	10.44	11.44	12.69	23.57

TABLE 6 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, DAIRY, U.S.

ECONOMIC CLASS							
ITEM	IA	I	II	III	IV	V	TOTAL IA-V COMBINED
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	5281	31147	85070	78095	46056	21752	267311
AVERAGE PER FARM (DOLLARS)							
PRODUCTION ASSETS:							
LAND & BUILDINGS	343188	124159	69649	41775	26548	17793	61625
MACHINES & MOT VEHIC	46408	30257	21704	12621	7019	4931	16643
CATTLE & CALVES	73653	24083	13814	8743	5398	3471	12421
HUGS & PIGS	488	874	656	382	194	89	472
SHEEP,POULTRY,HORSES	346	171	115	98	80	50	109
FEED GRAINS & HAY STORED	1193	1018	591	318	145	59	453
OTHER GRAINS & FIBERS STORED	298	215	114	59	30	15	91
DEMAND DECSITS & CURRENCY	4362	3487	2431	1748	1497	1321	2142
EQUITY IN FARM COOPS	37865	7059	3319	2304	1690	1651	3725
TOTAL ASSETS	507805	191330	112397	68055	42600	29385	97687
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	66769	27414	15360	6470	2913	1864	11943
NON REAL ESTATE SECURED DEBT	79309	23368	12252	5923	2965	1523	10552
TOTAL LIABILITIES	146079	50782	27612	12393	5879	3388	22495
EQUITY	361726	140547	84784	55661	30726	25996	75191
INCOME							
CASH RECEIPTS	216706	60361	29678	15698	7954	4079	27043
GOVERNMENT PAYMENTS	2054	1018	688	502	336	238	602
OTHER FARM INCOME	5412	446	141	213	329	431	358
TOTAL INCOME	224174	61827	30509	16414	8621	4750	28004
PRODUCTION EXPENSES	180911	43021	19741	10464	5264	3503	19115
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	43263	18806	10767	5949	3356	1246	8888
LESS OPT. & FAMILY LABOR	10835	5094	4158	3045	3123	3248	3622
LESS MANAGEMENT FEE	6465	3351	2023	1278	730	364	1691
NET INCOME TO EQUITY	25961	10360	4585	1625	-497	-2366	3375
RATIO (PERCENT)							
NET RETURNS TO EQUITY	7.18	7.37	5.41	2.92	-1.36	-9.10	4.49

TABLE 6 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, DAIRY, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V CUMINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
NUMBER OF FARMS	1.58	1.65	31.82	29.18	17.23	8.14	100.00
PERCENT OF COMPONENT VALUE							
PRODUCTION ASSETS:							
LAND & BUILDINGS	11.00	23.48	35.97	19.78	7.42	2.35	100.00
MACHINES & MCT VEHIC	5.51	21.18	41.50	22.13	7.27	2.41	100.00
CATTLE & CALVES	11.71	22.59	35.39	20.54	7.49	2.27	100.00
HUGS & PIGS	2.04	21.55	44.15	23.64	7.08	1.54	100.00
SHEEP,POULTRY,HORSES	6.14	18.17	33.38	26.10	12.46	3.75	100.00
FEED GRAINS & FAY STORED	5.20	26.17	41.49	20.53	5.54	1.07	100.00
OTHER GRAINS & FIBERS STORED	6.46	27.50	39.82	19.02	5.82	1.38	100.00
DEMAND DEPOSITS & CURRENCY	4.02	18.97	36.13	23.81	12.04	5.02	100.00
EQUITY IN FARM COOPS	20.08	22.08	28.36	18.06	7.82	3.61	100.00
TOTAL ASSETS	10.27	22.82	36.62	20.33	7.51	2.45	100.00
PRODUCTION LIAILITIES:							
REAL ESTATE SECURED DEBT	11.04	26.74	40.93	15.81	4.20	1.27	100.00
NON REAL ESTATE SECURED DEBT	14.85	25.80	36.95	16.38	4.84	1.18	100.00
TOTAL LIAILITIES	12.83	26.30	39.06	16.08	4.50	1.23	100.00
EQUITY	9.50	21.78	35.88	21.60	8.42	2.81	100.00
INCOME							
CASH RECEIPTS	15.83	26.01	34.93	16.94	5.07	1.23	100.00
GOVERNMENT PAYMENTS	6.74	19.70	36.39	24.31	9.63	3.22	100.00
OTHER FARM INCOME	29.86	14.53	12.55	17.39	15.86	9.81	100.00
TOTAL INCOME	15.81	25.73	34.67	17.10	5.30	1.38	100.00
PRODUCTION EXPENSES	18.70	26.22	32.87	15.98	4.75	1.49	100.00
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	9.62	24.65	38.55	19.53	6.51	1.14	100.00
LESS OPT. & FAMILY LABOR	5.60	15.53	34.62	23.25	14.08	6.92	100.00
LESS MANAGEMENT FEE	7.55	23.09	38.09	22.07	7.45	1.75	100.00
NET INCOME TO EQUITY	15.20	35.76	43.23	14.05	-2.54	-5.70	100.00

TABLE 7 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, LIVESTOCK OTHER THAN P&D, U.S.

ECONOMIC CLASS

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
ALL FARMS (THOUSAND DOLLARS)							
NUMBER OF FARMS	18099	58025	99820	117789	133402	164006	591141
PRODUCTION ASSETS:							
LAND & BUILDINGS	6138705	9352660	10507143	8030322	5681015	4687468	44407230
MACHINES & MOT VEHIC	897531	1602136	2061598	1304418	979187	877272	7722142
CATTLE & CALVES	2346754	1701538	1718867	1358018	984932	827726	8937835
HOGS & PIGS	178123	459093	483025	285707	140914	75499	1622361
SHEEP, POULTRY, HORSES	50657	43580	45634	40786	30030	22077	232964
FEED GRAINS & HAY STORED	60908	154905	172681	110292	50040	21976	570802
OTHER GRAINS & FIBERS STORED	16201	34823	32437	19449	8431	3468	115409
DEMAND DEPOSITS & CURRENCY	133758	214013	244536	200215	191349	198173	1182044
EQUITY IN FARM COOPS	380358	300475	312844	238821	167111	151686	1551295
TOTAL ASSETS	10203795	13873223	15578765	11588028	8233009	6865345	66342132
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	1385959	1795907	1674412	1331386	816413	875324	7879401
NON REAL ESTATE SECURED DEBT	1944596	1691056	1266212	790968	437848	333821	6464501
TOTAL LIABILITIES	3330555	3486963	2940624	2122354	1254261	1209145	14343902
EQUITY	6873240	10386260	12638141	9465674	6978748	5656200	51998230
INCOME							
CASH RECEIPTS	6644521	3703872	2984750	1798058	1016657	611676	16759534
GOVERNMENT PAYMENTS	126598	201250	233571	175548	108997	76851	922815
OTHER FARM INCOME	27129	-4383	-3260	11584	31012	52802	114884
TOTAL INCOME	6798248	3900739	3215061	1985190	1155666	741329	17797233
PRODUCTION EXPENSES	5971209	2949686	2306379	1403152	817495	700380	14148301
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	827039	951053	908682	582038	339171	40949	3648932
LESS OPT. & FAMILY LABOR	157121	260810	323136	294345	273446	419159	1728017
LESS MANAGEMENT FEE	92742	154216	170792	128527	82686	45042	674005
NET INCOME TO EQUITY	577176	536027	414754	159166	-16961	-423252	1246910
RATIO (PERCENT)							
NET RETURNS TO EQUITY	8.40	5.16	3.28	1.68	-0.24	-7.48	2.40

TABLE 7 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, LIVESTOCK OTHER THAN P&D,U.S.

ECONOMIC CLASS								
ITEM	AVERAGE PER FARM (DOLLARS)						TOTAL IA-V COMBINED	
	IA	I	II	III	IV	V		
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500		
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999		
NUMBER OF FARMS	18099	58025	99820	117789	133402	164006		591141
PRODUCTION ASSETS:								
LAND & BUILDINGS	339174	161355	105260	68175	42505	28581		75121
MACHINES & MOT VEHIC	49590	27611	20653	11074	7340	5349		13063
CATTLE & CALVES	129662	29324	17219	11529	7383	5046		15119
HGS & PIGS	9841	7911	4838	2425	1056	460		2744
SHEEP,POULTRY,HORSES	2807	750	455	344	224	133		391
FEED GRAINS & HAY STORED	3365	2669	1729	936	375	133		965
OTHER GRAINS & FIBERS STORED	928	600	324	165	63	21		195
DEMAND DEPOSITS & CURRENCY	7390	3688	2449	1699	1434	1208		1999
EQUITY IN FARM COGS	21015	5178	3134	2027	1252	924		2624
TOTAL ASSETS	563777	239090	156068	98379	61715	41860		112227
PRODUCTION LIABILITIES:								
REAL ESTATE SECURED DEBT	76576	30950	16774	11303	6119	5337		13329
NON REAL ESTATE SECURED DEBT	107442	29143	12684	6715	3282	2035		10935
TOTAL LIABILITIES	184018	60094	29459	18018	9402	7372		24264
EQUITY	379758	178996	126609	80361	52313	34487		87962
INCOME								
CASH RECEIPTS	367121	63832	29901	15265	7621	3729		28351
GOVERNMENT PAYMENTS	6994	3468	2339	1490	817	468		1561
OTHER FARM INCOME	1498	-75	-32	98	232	321		194
TOTAL INCOME	375614	67225	32208	16853	8670	4520		30106
PRODUCTION EXPENSES								
	329919	50834	23105	11912	6128	4270		23933
NET RETURN TC:								
EQUITY, OPT., FAMILY & MGT.	45695	16390	9103	4941	2542	249		6172
LESS OPT. & FAMILY LABOR	8681	4494	3237	2498	2049	2555		2923
LESS MANAGEMENT FEE	5124	2657	1710	1091	619	274		1140
NET INCOME TC EQUITY	31889	9237	4155	1351	-127	-2580		2109
RATIO (PERCENT)								
NET RETURNS TO EQUITY	8.40	5.16	3.28	1.68	-0.24	7.48		2.40

TABLE 7 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970. LIVESTOCK OTHER THAN P&D,U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V
	IA	I	II	III	IV	V	
	\$100,000+	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500	IA-V
			\$39,999	\$19,999	\$9,999	\$4,999	COMBINED
PERCENT OF COMPONENT VALUE							
NUMBER OF FARMS	3.06	9.82	16.89	19.93	22.57	27.74	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	13.82	21.08	23.66	18.08	12.79	10.56	100.00
MACHINES & MCT VEHIC	11.62	20.75	26.70	16.89	12.68	11.36	100.00
CATTLE & CALVES	26.26	19.04	19.23	15.19	11.02	9.26	100.00
HOGS & PIGS	10.98	28.30	29.77	17.61	3.69	4.65	100.00
SHEEP,POULTRY,HORSES	21.83	18.71	19.59	17.51	12.89	9.48	100.00
FEED GRAINS & HAY STORED	10.67	27.14	30.25	19.32	8.77	3.85	100.00
OTHER GRAINS & FIBERS STORED	14.56	30.17	28.11	16.85	7.31	3.00	100.00
DEMAND DEPOSITS & CURRENCY	11.32	18.11	20.69	16.94	16.19	16.77	100.00
EQUITY IN FARM COOPS	24.52	19.37	20.17	15.39	10.77	9.78	100.00
TOTAL ASSETS	15.38	20.91	23.48	17.47	12.41	10.35	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	17.59	22.79	21.25	16.90	10.36	11.11	100.00
NON REAL ESTATE SECURED DEBT	30.08	26.16	19.59	12.24	6.77	5.16	100.00
TOTAL LIABILITIES	23.22	24.31	20.50	14.80	8.74	8.43	100.00
EQUITY	13.22	19.57	24.30	18.20	13.42	10.88	100.00
INCOME							
CASH RECEIPTS	39.65	22.10	17.81	10.73	6.07	3.65	100.00
GOVERNMENT PAYMENTS	13.72	21.81	25.31	19.02	11.91	8.33	100.00
OTHER FARM INCOME	23.61	-3.82	-2.84	10.08	26.99	45.96	100.00
TOTAL INCOME	38.20	21.92	18.06	11.15	6.50	4.17	100.00
PRODUCTION EXPENSES							
	42.20	20.85	16.30	9.92	5.78	4.95	100.00
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	22.67	26.06	24.90	15.95	9.30	1.12	100.00
LESS OPT. & FAMILY LABOR	9.09	15.09	18.70	17.03	15.32	24.26	100.00
LESS MANAGEMENT FEE	13.76	22.88	25.34	19.07	12.27	6.68	100.00
NET INCOME TC EQUITY	46.29	42.99	33.26	12.76	-1.36	-31.94	100.00

TABLE 8 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, LIVESTOCK RANCHES, U.S.

ECONOMIC CLASS							
ITEM	ALL FARMS (THOUSAND DOLLARS)						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	4126	7120	10977	14041	20248	26537	83049
PRODUCTION ASSETS:							
LAND & BUILDINGS	5612530	3629727	2962540	2327630	2031621	1763176	18327216
MACHINES & MCT VEHIC	165596	149680	166594	124944	121233	123962	852009
CATTLE & CALVES	1249009	618408	518588	370090	294901	237691	3288687
HOGS & PIGS	4727	3478	3987	3586	2666	1654	20098
SHEEP,POULTRY,HORSES	94018	63367	39986	23362	12937	7485	241055
FEED GRAINS & HAY STORED	3000	2951	2846	2018	1343	488	12646
OTHER GRAINS & FIBERS STORED	700	649	441	299	149	67	2305
DEMAND DEPCITS & CURRENCY	33697	27351	26798	23281	29731	31318	171176
EQUITY IN FARM COOPS	123584	74981	73281	52895	40287	35126	400154
TOTAL ASSETS	7286861	4570592	3794961	2928105	2533868	2200967	23315346
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	675839	429656	259810	270252	134174	100644	1910415
NON REAL ESTATE SECURED DEBT	792797	287654	175071	112895	73178	30778	1472373
TOTAL LIABILITIES	1468636	717350	474881	383147	207352	131422	3382788
EQUITY	5818225	3853242	3320080	2544958	2326516	2069545	19932558
INCOME							
CASH RECEIPTS	1673941	472834	327096	209077	152651	96664	2932263
GOVERNMENT PAYMENTS	19119	16590	15746	11478	9945	8308	81186
OTHER FARM INCOME	3159	-13145	-11905	-5159	1473	7631	-17946
TOTAL INCOME	1696219	476275	330937	215396	164069	112603	2995503
PRODUCTION EXPENSES							
	1537586	391551	276169	180909	136249	130641	2653105
NET RETURN TO EQUITY:							
EQUITY OPT., FAMILY & MGT.	158623	84728	54768	34487	27820	-18038	342398
LESS OPT. & FAMILY LABOR	34431	25138	33048	32017	59179	41916	225729
LESS MANAGEMENT FEE	28607	22282	17978	13695	10735	5383	98880
NET INCOME TO EQUITY	95595	37308	3742	-11425	-42094	-65337	17789
RATIO (PERCENT)							
NET RETURNS TO EQUITY	1.64	0.57	0.11	-0.45	-1.81	-3.16	0.09

TABLE 8 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, LIVESTOCK RANCHES, U.S.

ECONOMIC CLASS

ITEM	ECONOMIC CLASS					TOTAL	
	IA	I	II	III	IV	V	IA-V COMBINED
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
		\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
NET RETURN TO EQUITY	1.64	0.97	0.11	-0.45	-1.81	-3.16	0.09
TOTAL DEBT TO ASSET VALUES	20.15	15.69	12.51	13.09	8.18	5.97	14.51
REAL ESTATE DEBT TO L&B VALUES	12.04	11.84	10.12	11.61	6.60	5.71	10.42
NON R.E. DEBT TO NCN R.E. ASSET	47.35	30.57	21.03	18.80	14.57	7.03	29.52
NET FARM INCOME TO TOTAL DEBT	10.80	11.81	11.53	9.00	13.42	-13.73	10.12
PERCENT							
DEBT TO EQUITY	0.25	0.19	0.14	0.15	0.09	0.06	0.17
TOTAL ASSETS TO TOTAL FARM INC.	4.30	9.60	11.47	13.59	15.44	19.55	7.78
TOTAL ASSETS TO NET FARM INCOME	45.54	53.94	69.29	84.90	91.08	-122.02	68.09
DOLLARS							

TABLE 8 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, LIVESTOCK RANCHES, U.S.

ECONOMIC CLASS							
ITEM	AVERAGE PER FARM (DOLLARS)						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	4126	7120	10977	14041	20248	26537	83049
PRODUCTION ASSETS:							
LAND & BUILDINGS	1360283	509793	269886	165773	100336	66442	220679
MACHINES & MGT VEHIC	40134	21022	15176	8898	5987	4671	10259
CATTLE & CALVES	302716	86855	47243	26357	14564	8956	39599
HOGS & PIGS	1145	488	363	255	131	62	242
SHEEP, POULTRY, HORSES	22784	8899	3631	1663	637	280	2900
FEED GRAINS & HAY STORED	727	414	259	143	66	18	152
OTHER GRAINS & FIBERS STORED	169	91	40	21	7	2	27
DEMAND DEPOSITS & CURRENCY	8166	3841	2441	1658	1418	1180	2061
EQUITY IN FARM COOPS	29952	10531	6675	3767	1989	1323	4818
TOTAL ASSETS	1766083	641937	345719	208539	125141	82939	280742
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	163800	60350	27312	19247	5626	3792	23003
NON REAL ESTATE SECURED DEBT	192146	40400	15948	8040	3614	1159	17728
TOTAL LIABILITIES	355946	100751	43261	27287	10240	4952	40732
EQUITY	1410137	541185	302457	181251	114901	77987	240009
INCOME							
CASH RECEIPTS	405705	66409	29798	14890	7539	3642	35307
GOVERNMENT PAYMENTS	4633	2330	1434	817	491	313	977
OTHER FARM INCOME	765	-1846	-1084	-367	72	287	-216
TOTAL INCOME	411104	66893	30148	15340	8102	4243	36069
PRODUCTION EXPENSES							
	372657	54993	25158	12884	6729	4922	31946
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	38447	11900	4989	2456	1373	-679	4122
LESS OPT. & FAMILY LABOR	8344	3530	3010	2280	2922	1579	2718
LESS MANAGEMENT FEE	6933	3129	1637	989	530	202	1190
NET INCOME TC EQUITY	23168	5239	340	-813	-2078	-2462	214
RATIO (PERCENT)							
NET RETURNS TO EQUITY	1.64	0.97	0.11	-0.45	-1.81	-3.16	0.09

TABLE 8 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, LIVESTOCK RANCHES, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500	
			\$39,999	\$19,999	\$9,999	\$4,999	
PERCENT OF COMPONENT VALUE							
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	77.02	79.41	78.07	79.49	80.18	80.11	78.61
MACHINES & MCT VEHIC	2.27	3.27	4.39	4.27	4.78	5.63	3.65
CATTLE & CALVES	17.14	13.53	13.67	12.64	11.64	10.80	14.11
HOGS & PIGS	0.06	0.08	0.11	0.12	0.11	0.08	0.09
SHEEP, POULTRY, HORSES	1.29	1.39	1.05	0.80	0.51	0.34	1.03
FEED GRAINS & FAY STORED	0.04	0.06	0.07	0.07	0.05	0.02	0.05
OTHER GRAINS & FIBERS STORED	0.01	0.01	0.01	0.01	0.01	0.00	0.01
DEMAND DEPOSITS & CURRENCY	0.46	0.60	0.71	0.80	1.13	1.42	0.73
EQUITY IN FARM COOPS	1.70	1.64	1.93	1.81	1.59	1.60	1.72
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	46.02	59.90	63.13	70.53	64.71	76.58	56.47
NON REAL ESTATE SECURED DEBT	53.98	40.10	36.87	29.47	35.29	23.42	43.53
TOTAL LIABILITIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
INCOME							
CASH RECEIPTS	98.69	99.28	98.84	97.07	93.04	85.84	97.89
GOVERNMENT PAYMENTS	1.13	3.48	4.76	5.33	6.06	7.38	2.71
OTHER FARM INCOME	0.19	-2.76	-3.60	-2.40	0.90	6.78	-0.60
TOTAL INCOME	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00	100.00
LESS OPT. & FAMILY LABOUR	21.70	29.07	60.34	92.84	212.72	-232.38	65.93
LESS MANAGEMENT FEE	18.03	26.30	32.83	40.29	38.59	-29.84	28.88
NET INCOME TO EQUITY	60.26	44.03	6.83	-33.13	-151.31	362.22	5.20

TABLE 9 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, GENERAL FARMS, U.S.

ECONOMIC CLASS							
ITEM	IA	I	II	III	IV	V	TOTAL IA-V COMBINED
	\$100,000+	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
ALL FARMS (THOUSAND DOLLARS)							
NUMBER OF FARMS	2095	9256	20238	28862	33350	36978	131379
PRODUCTION ASSETS:							
LAND & BUILDINGS	2513946	2238897	2725537	2356725	1674207	1304464	12813776
MACHINES & MCT VEHIC	278201	376973	541430	399821	292202	233621	2122248
CATTLE & CALVES	90758	164665	230019	217160	143487	83891	932980
HOGS & PIGS	7735	23186	35214	25502	12758	5838	110233
SHEEP,POULTRY,HORSES	7408	7187	7906	7405	5267	3299	38472
FEED GRAINS & HAY STORED	51607	63437	81596	67924	42316	26046	332926
OTHER GRAINS & FIBERS STORED	19776	18385	17432	12567	6118	2593	76871
DEMAND DEPOSITS & CURRENCY	13410	33826	49410	48557	48268	44666	238137
EQUITY IN FARM COOPS	88601	78632	86797	71624	48202	38066	411922
TOTAL ASSETS	3071442	3005188	3775341	3207285	2275825	1742484	17077565
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	381996	363588	418603	357686	220591	124679	1867143
NON REAL ESTATE SECURED DEBT	244321	296371	244285	218458	123183	72604	1199222
TOTAL LIABILITIES	626317	659959	662888	576144	343774	197283	3066365
EQUITY	2445125	2345229	3112453	2631141	1932051	1545201	14011200
INCOME							
CASH RECEIPTS	666160	585414	603083	436074	250454	137865	2685050
GOVERNMENT PAYMENTS	92494	75739	80431	68869	41371	27521	386475
OTHER FARM INCOME	30652	21729	23718	22649	19414	19700	137862
TOTAL INCOME	789306	682882	707282	527592	317239	185086	3209387
PRODUCTION EXPENSES							
	597121	461160	440377	330932	193982	150600	2174172
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	192185	221722	266905	196660	123257	34486	1035215
LESS OPT. & FAMILY LABOR	20368	36137	67320	66099	70402	112574	372900
LESS MANAGEMENT FEE	30914	37528	49637	38707	25821	13739	192346
NET INCOME TO EQUITY	140903	148057	153948	91854	27034	-91827	469969
RATIO (PERCENT)							
NET RETURNS TO EQUITY	5.76	6.31	4.95	3.49	1.40	-5.94	3.35

TABLE 9 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, GENERAL FARMS, U.S.

ITEM	ECONOMIC CLASS							TOTAL IA-V COMBINED	
	IA	I		II		III	IV		V
		\$40,000 \$100,000+	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999			
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999			
		PERCENT OF COMPONENT VALUE							
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
PRODUCTION ASSETS:									
LAND & BUILDINGS	81.85	74.50	72.19	73.48	73.56	74.86	75.03		
MACHINES & MOT VEHIC	9.06	12.54	14.34	12.47	12.84	13.41	12.43		
CATTLE & CALVES	2.95	5.48	6.09	6.77	6.44	4.81	5.46		
HOGS & PIGS	0.25	0.77	0.93	0.80	0.56	0.34	0.65		
SHEEP,POULTRY,HORSES	0.24	0.24	0.21	0.23	0.23	0.19	0.23		
FEED GRAINS & FAY STORED	1.68	2.11	2.16	2.12	1.86	1.49	1.95		
OTHER GRAINS & FIBERS STORED	0.64	0.61	0.46	0.39	0.27	0.15	0.45		
DEMAND DEPOSITS & CURRENCY	0.44	1.13	1.31	1.51	2.12	2.56	1.39		
EQUITY IN FARM COOPS	2.88	2.62	2.30	2.23	2.12	2.18	2.41		
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
PRODUCTION LIABILITIES:									
REAL ESTATE SECURED DEBT	60.99	55.05	63.15	62.08	64.17	63.20	60.89		
NON REAL ESTATE SECURED DEBT	39.01	44.91	36.85	37.92	35.83	36.80	39.11		
TOTAL LIABILITIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
INCOME									
CASH RECEIPTS	84.40	85.73	85.27	82.65	80.84	74.49	83.66		
GOVERNMENT PAYMENTS	11.72	11.09	11.38	13.05	13.04	14.87	12.04		
OTHER FARM INCOME	3.88	3.18	3.35	4.29	6.12	10.64	4.30		
TOTAL INCOME	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
NET RETURN TC:									
EQUITY, OPT., FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
LESS OPT. & FAMILY LABOR	10.60	16.30	25.22	33.61	57.12	326.43	36.02		
LESS MANAGEMENT FEE	16.09	16.93	17.10	19.68	20.95	39.84	18.58		
NET INCOME TO EQUITY	73.32	65.78	57.68	46.71	21.93	-266.27	45.40		

TABLE 10 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, MISC. FARMS, U.S.

ECONOMIC CLASS						
ITEM	ALL FARMS (THOUSAND DOLLARS)					
	IA	I	II	III	IV	V
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999
						COMBINED
NUMBER OF FARMS	2420	3382	4459	5070	5935	16966
TOTAL						
TOTAL IA-V						
TOTAL COMBINED						
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TABLE 10 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, MISC. FARMS, U.S.

	ECONOMIC CLASS					
ITEM	I A	I	II	III	IV	V TOTAL I A-V COMBINED
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999
NET RETURN TO EQUITY	14.42	8.65	6.49	4.68	3.13	-10.60
TOTAL DEBT TO ASSET VALUES	34.86	20.38	14.34	14.31	13.49	19.37
REAL ESTATE DEBT TO L&B VALUES	17.99	16.24	12.89	12.42	12.09	13.97
NON R.E. DEBT TO NCN R.E. ASSET	117.18	35.74	19.99	21.81	19.09	44.69
NET FARM INCOME TO TOTAL DEBT	46.22	61.68	72.18	55.53	44.88	32.27
						-55.94
DEBT TO EQUITY	0.54	0.26			0.16	0.24
TOTAL ASSETS TO TOTAL FARM INC.	1.22	2.33	0.17	0.17	6.86	2.94
TOTAL ASSETS TO NET FARM INCOME	6.21	7.95	9.66	12.59	16.52	16.00
						-14.87

TABLE 10 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, MISC. FARMS, U.S.

ECONOMIC CLASS								
ITEM	AVERAGE PER FARM (DOLLARS)						TOTAL IA-V COMBINED	
	IA	I		II		III		
		\$40,000 \$100,000+	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999		
NUMBER OF FARMS	2420	3382	4459	5070	5955	16966	38252	
PRODUCTION ASSETS:								
LAND & BUILDINGS	326141	120364	88586	63126	47383	59988	83951	
MACHINES & MGT VEHIC	43794	18031	12453	7885	6263	5760	10392	
CATTLE & CALVES	3571	3246	1875	2413	1942	1730	2121	
HOGS & PIGS	88	171	148	78	63	22	68	
SHEEP,POULTRY,HORSES	528	266	372	309	190	196	257	
FEED GRAINS & FAY STORED	247	218	212	132	112	19	103	
OTHER GRAINS & FIBERS STORED	216	128	49	29	12	3	38	
DEMAND DEPOSITS & CURRENCY	6393	3654	2441	1705	1447	605	1732	
EQUITY IN FARM COOPS	11970	6736	5278	3339	1767	1134	3184	
TOTAL ASSETS	392955	152816	111419	79020	59185	69464	101856	
PRODUCTION LIABILITIES:								
REAL ESTATE SECURED DEBT	58687	19546	11417	7838	5728	6817	11726	
NON REAL ESTATE SECURED DEBT	78294	11598	4565	3466	2252	1535	8001	
TOTAL LIAILITIES	136982	31145	15982	11305	7981	8352	19726	
EQUITY	255972	121671	95436	67715	51204	61111	82127	
INCOME								
CASH RECEIPTS	317622	63247	29801	15316	7640	1868	43216	
GOVERNMENT PAYMENTS	426	426	392	266	267	229	289	
OTHER FARM INCOME	4347	1847	1429	1138	666	716	1177	
TOTAL INCOME	322396	65521	31623	16721	8623	2813	34682	
PRODUCTION EXPENSES								
PRODUCTION EXPENSES	259081	46310	20087	10443	5041	7486	28316	
NET RETURN TC:								
EQUITY OPT. & FAMILY & MGT.	63314	19211	11536	6278	3582	-4672	6366	
LESS OPT. & FAMILY LABOR	10019	4180	3019	1833	1199	1764	2567	
LESS MANAGEMENT FEE	16396	4507	2326	1272	779	41	2015	
NET INCOME TO EQUITY	36898	10522	6190	3172	1603	-6478	1782	
RATIO (PERCENT)								
NET RETURNS TO EQUITY	14.42	8.65	6.49	4.68	3.13	10.60	2.17	

TABLE 10 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, MISC. FARMS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
PERCENT OF COMPONENT VALUE							
NUMBER OF FARMS	6.33	8.94	11.66	13.25	15.57	44.35	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	24.58	12.68	12.30	9.97	8.79	31.69	100.00
MACHINES & MCT VEHIC	26.66	15.34	13.97	10.06	9.38	24.59	100.00
CATTLE & CALVES	10.65	13.53	10.31	15.08	14.25	36.18	100.00
HOGS & PIGS	8.18	22.08	25.28	15.15	14.50	14.81	100.00
SHEEP, POULTRY, HORSES	12.91	9.09	16.75	15.83	11.53	33.90	100.00
FEED GRAINS & HAY STORED	15.16	18.65	23.98	16.98	16.98	8.24	100.00
OTHER GRAINS & FIBERS STORED	35.71	29.46	15.03	10.20	5.03	4.56	100.00
DEMAND DEPOSITS & CURRENCY	23.35	18.65	16.43	13.05	13.01	15.50	100.00
EQUITY IN FARM COOPS	23.75	18.68	19.29	13.88	9.63	15.78	100.00
TOTAL ASSETS	24.41	13.26	12.75	10.28	9.05	30.25	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	31.66	14.74	11.35	8.86	7.60	25.79	100.00
NON REAL ESTATE SECURED DEBT	61.90	12.82	6.65	5.74	4.38	8.51	100.00
TOTAL LIABILITIES	43.93	13.96	9.44	7.60	6.30	18.78	100.00
EQUITY	19.72	13.10	13.55	10.93	9.71	33.00	100.00
INCOME							
CASH RECEIPTS	60.50	16.84	10.46	6.11	3.60	2.49	100.00
GOVERNMENT PAYMENTS	9.34	13.05	15.82	12.21	14.38	35.20	100.00
OTHER FARM INCOME	23.36	13.87	14.16	12.82	8.81	26.99	100.00
TOTAL INCOME	58.81	16.70	10.63	6.39	3.87	3.60	100.00
PRODUCTION EXPENSES	57.88	14.46	8.27	4.89	2.77	11.73	100.00
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	62.92	26.68	21.12	13.07	8.76	-32.55	100.00
LESS OPT. & FAMILY LABOR	24.68	14.40	13.71	9.46	7.27	30.48	100.00
LESS MANAGEMENT FEE	51.47	19.77	13.45	8.37	6.02	9.92	100.00
NET INCOME TO EQUITY	130.93	52.18	40.48	23.58	14.00	-161.17	100.00

TABLE 10 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, MISC. FARMS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
	\$100,000	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
PERCENT OF COMPONENT VALUE							
	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	83.00	78.76	79.51	79.89	80.06	80.36	82.42
MACHINES & MGT VEHIC	11.14	11.80	11.18	9.98	10.58	8.29	10.20
CATTLE & CALVES	0.91	2.12	1.08	3.05	3.28	2.49	2.08
HOGS & PIGS	0.02	0.11	0.13	0.10	0.11	0.03	0.07
SHEEP, POULTRY, HORSES	0.13	0.17	0.33	0.39	0.32	0.29	0.25
FEED GRAINS & FAY STORED	0.06	0.14	0.19	0.17	0.19	0.03	0.10
OTHER GRAINS & FIBERS STORED	0.06	0.08	0.04	0.04	0.02	0.01	0.04
DEMAND DEPOSITS & CURRENCY	1.63	2.39	2.19	2.16	2.45	0.87	1.70
EQUITY IN FARM CCOPS	3.05	4.41	4.74	4.23	2.99	1.63	3.13
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	42.84	62.76	71.44	69.34	71.77	81.62	59.44
NON REAL ESTATE SECURED DEBT	57.16	37.24	28.56	30.66	28.23	18.38	40.56
TOTAL LIABILITIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
INCOME							
CASH RECEIPTS	98.52	96.53	94.24	91.60	89.18	66.38	95.77
GOVERNMENT PAYMENTS	0.13	0.65	1.24	1.59	3.10	8.16	0.83
OTHER FARM INCOME	1.35	2.82	4.52	6.81	7.72	25.46	3.39
TOTAL INCOME	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00	100.00
LESS OPT. & FAMILY LABOR	15.82	21.76	26.17	29.20	23.48	-37.77	40.34
LESS MANAGEMENT FEE	25.90	23.46	20.16	20.27	21.76	-0.89	31.66
NET INCOME TO EQUITY	58.28	54.77	53.66	50.53	54.76	13.66	28.01

TABLE 11 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, VEGETABLE FARMS, U.S.

ITEM	ECONOMIC CLASS							TOTAL IA-V COMBINED	
	IA	I		II		IV			V
		\$40,000 \$100,000+	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999			
	\$100,000+	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500			
NUMBER OF FARMS	2255	2670	3087	3510	4367	4785		20674	
		ALL FARMS (THOUSAND DOLLARS)							
PRODUCTION ASSETS:									
LAND & BUILDINGS	1783148	508840	316004	203668	169302	129013		3109975	
MACHINES & MCT VEHIC	208651	83156	62473	34984	31085	26223		446572	
CATTLE & CALVES	12965	3659	4182	3059	3855	2796		30516	
HOGS & PIGS	215	580	664	398	190	292		2339	
SHEEP,POULTRY,HORSES	189	167	224	78	116	89		863	
FEED GRAINS & HAY STORED	8401	3688	1898	1345	672	326		16330	
OTHER GRAINS & FIBERS STORED	44453	10598	5516	3292	1940	876		66675	
DEMAND DEPOSITS & CURRENCY	18912	10408	7537	5987	5321	5647		54812	
EQUITY IN FARM COOPS	60688	31728	29087	19261	13724	6714		158202	
TOTAL ASSETS	2137622	652824	427585	272072	224205	171976		3886284	
PRODUCTION LIABILITIES:									
REAL ESTATE SECURED DEBT	176306	60598	39598	27820	6822	4506		315650	
NON REAL ESTATE SECURED DEBT	179501	47942	16286	10044	3537	7892		270202	
TOTAL LIAILITIES	355807	108540	55884	37864	15359	12398		585852	
EQUITY	1781815	544284	371701	234208	208846	159578		3300432	
INCOME									
CASH RECEIPTS	939457	180127	91996	53762	33583	17431		1316356	
GOVERNMENT PAYMENTS	14468	4328	2624	2026	1591	1817		26854	
OTHER FARM INCOME	49327	15475	12288	8074	5369	3664		94397	
TOTAL INCOME	1003252	199930	106908	63962	40543	23112		1437607	
PRODUCTION EXPENSES	791185	139218	74640	39712	23093	16330		1084178	
NET RETURN TC:									
EQUITY, OPT., FAMILY & MGT.	212067	60712	32268	24150	17450	6782		353429	
LESS OPT. & FAMILY LABOR	20853	7856	7344	8262	11224	11976		67515	
LESS MANAGEMENT FEE	48447	13487	8298	4962	4932	1583		82109	
NET INCOME TC EQUITY	142767	39369	16626	10926	1294	-7177		203805	
RATIO (PERCENT)									
NET RETURNS TO EQUITY	8.01	7.23	4.47	4.67	0.62	-4.50		6.18	

TABLE 11 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, VEGETABLE FARMS, U.S.

ECONOMIC CLASS

ITEM	ECONOMIC CLASS					TOTAL IA-V COMBINED
	IA	I	II	III	IV	
	\$100,000+	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500
			\$39,999	\$19,999	\$9,999	\$4,999

	PERCENT					
NET RETURN TO EQUITY	8.01	7.23	4.47	4.67	0.62	-4.50
TOTAL DEBT TO ASSET VALUES	16.64	16.63	13.07	13.92	6.85	7.21
REAL ESTATE DEBT TO L&B VALUES	9.89	11.91	12.53	13.06	4.03	3.49
NON R.E. DEBT TO NCN R.E. ASSET	50.64	33.30	14.60	14.68	15.55	18.37
NET FARM INCOME TO TOTAL DEBT	59.60	55.94	57.74	63.78	113.61	54.70

	DOLLARS					
DEBT TO EQUITY	0.20	0.20	0.15	0.16	0.07	0.08
TOTAL ASSETS TO TOTAL FARM INC.	2.13	3.27	4.00	4.26	5.53	7.44
TOTAL ASSETS TO NET FARM INCOME	10.08	10.75	13.25	11.27	12.85	25.36

TABLE 11 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, VEGETABLE FARMS, U.S.

ECONOMIC CLASS							
ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I					
		I	II	III	IV	V	
		\$40,000 \$100,000+	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
		AVERAGE PER FARM (DOLLARS)					
		2670	3087	3510	4367	4785	20674
NUMBER OF FARMS	2255						
PRODUCTION ASSETS:							
LAND & BUILDINGS	790753	190576	102366	58025	33768	26961	150429
MACHINES & MCT VEHIC	92528	31144	20237	9966	7118	5480	21600
CATTLE & CALVES	5749	1370	1354	871	882	584	1476
HGS & PIGS	95	217	215	113	43	61	113
SHEEP,POULTRY,HORSES	82	61	71	21	25	17	40
FEED GRAINS & HAY STORED	3725	1381	614	383	153	68	789
OTHER GRAINS & FIBERS STORED	19713	3969	1786	937	444	183	3225
DEMAND DEPGSITS & CURRENCY	8386	3898	2441	1705	1447	1180	2651
EQUITY IN FARM COOPS	26912	11883	9422	5487	2455	1403	7652
TOTAL ASSETS	947948	244503	138511	77513	51340	35940	187979
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	78184	22695	12827	7925	1562	941	15267
NON REAL ESTATE SECURED DEBT	79601	17955	5275	2861	1954	1649	13069
TOTAL LIABILITIES	157785	40651	18103	10787	3517	2591	28337
EQUITY	790162	203851	120408	66725	47823	33349	159641
INCOME							
CASH RECEIPTS	416610	67463	29801	15316	7690	3642	63672
GOVERNMENT PAYMENTS	6415	1620	850	577	364	379	1298
OTHER FARM INCOME	21874	5795	3980	2300	1229	807	4565
TOTAL INCOME	444901	74880	34631	18194	9283	4830	69536
PRODUCTION EXPENSES	350858	52141	24178	11313	5288	3412	52441
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	94043	22738	10452	6880	3995	1417	17095
LESS OPT. & FAMILY LABOR	9247	2942	2379	2353	2570	2502	3265
LESS MANAGEMENT FEE	21484	5051	2688	1413	1129	414	3971
NET INCOME TO EQUITY	63311	14744	5385	3112	296	-1499	9858
RATIO (PERCENT)							
NET RETURNS TO EQUITY	8.01	7.23	4.47	4.67	0.62	-4.50	6.18

TABLE 11 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, VEGETABLE FARMS, U.S.

ITEM	ECONOMIC CLASS						PERCENT OF COMPONENT VALUE			TOTAL IA-V COMBINED
	IA	I	II	III	IV	V				
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500				
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999				
NUMBER OF FARMS	10.91	12.91	14.93	16.98	21.12	23.15				100.00
PRODUCTION ASSETS:										
LAND & BUILDINGS	57.34	16.36	10.16	6.55	5.44	4.15				100.00
MACHINES & MGT VEHIC	46.72	18.62	13.99	7.83	6.96	5.87				100.00
CATTLE & CALVES	42.49	11.99	13.70	10.02	12.63	9.16				100.00
HOGS & PIGS	9.19	24.80	28.39	17.02	8.12	12.48				100.00
SHEEP, POULTRY, HORSES	21.90	19.35	25.96	9.04	13.44	10.31				100.00
FEED GRAINS & HAY STORED	51.45	22.58	11.62	8.24	4.12	2.00				100.00
OTHER GRAINS & FIBERS STORED	66.67	15.90	8.27	4.94	2.91	1.31				100.00
DEMAND DEPOSITS & CURRENCY	34.50	18.99	13.75	10.92	11.53	10.30				100.00
EQUITY IN FARM COOPS	38.36	20.06	18.39	12.17	6.78	4.24				100.00
TOTAL ASSETS	55.00	16.80	11.00	7.00	5.77	4.43				100.00
PRODUCTION LIABILITIES:										
REAL ESTATE SECURED DEBT	55.85	19.20	12.54	8.81	2.16	1.43				100.00
NON REAL ESTATE SECURED DEBT	66.43	17.74	6.03	3.72	3.16	2.92				100.00
TOTAL LIABILITIES	60.73	18.53	9.54	6.46	2.62	2.12				100.00
EQUITY	53.99	16.49	11.26	7.10	6.33	4.86				100.00
INCOME										
CASH RECEIPTS	71.37	13.68	6.99	4.08	2.55	1.32				100.00
GOVERNMENT PAYMENTS	53.88	16.12	9.77	7.54	5.92	6.77				100.00
OTHER FARM INCOME	52.25	16.39	13.02	8.55	5.69	4.09				100.00
TOTAL INCOME	69.79	13.91	7.44	4.44	2.82	1.61				100.00
PRODUCTION EXPENSES	72.98	12.84	6.88	3.66	2.13	1.51				100.00
NET RETURN TC:										
EQUITY, OPT., & FAMILY & MGT.	60.00	17.18	9.13	6.83	4.94	1.92				100.00
LESS OPT. & FAMILY LABOR	30.89	11.64	10.88	12.24	16.62	17.74				100.00
LESS MANAGEMENT FEE	59.00	16.43	10.11	6.04	6.91	2.42				100.00
NET INCOME TC EQUITY	70.05	19.32	8.16	5.36	0.63	-3.52				100.00

TABLE 11 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, VEGETABLE FARMS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	PERCENT OF COMPONENT VALUE						
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	83.42	77.94	73.90	74.86	75.51	75.02	80.02
MACHINES & MGT VEHIC	9.76	12.74	14.61	12.86	13.86	15.25	11.49
CATTLE & CALVES	0.61	0.56	0.98	1.12	1.72	1.63	0.79
HOGS & PIGS	0.01	0.09	0.16	0.15	0.08	0.17	0.06
SHEEP,POULTRY,HORSES	0.01	0.03	0.05	0.03	0.05	0.05	0.02
FEED GRAINS & FAY STORED	0.39	0.56	0.44	0.49	0.30	0.19	0.42
OTHER GRAINS & FIBERS STORED	2.08	1.62	1.29	1.21	0.87	0.51	1.72
DEMAND DEPOSITS & CURRENCY	0.88	1.59	1.76	2.20	2.82	3.28	1.41
EQUITY IN FARM COGPs	2.84	4.86	6.80	7.08	4.78	3.90	4.07
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	49.55	55.83	70.86	73.47	44.42	36.34	53.88
NON REAL ESTATE SECURED DEBT	50.45	44.17	29.14	26.53	55.58	63.66	46.12
TOTAL LIABILITIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
INCOME							
CASH RECEIPTS	93.64	90.10	86.05	84.18	82.83	75.42	91.57
GOVERNMENT PAYMENTS	1.44	2.16	2.45	3.17	3.92	7.86	1.87
OTHER FARM INCOME	4.92	7.74	11.49	12.64	13.24	16.72	6.57
TOTAL INCOME	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NET RETURN TC:							
EQUITY, OPT%, FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00	100.00
LFSS OPT. & FAMILY LABOR	9.83	12.94	22.76	34.21	64.32	176.59	19.10
LESS MANAGEMENT FEE	22.85	22.21	25.72	20.55	29.26	29.24	23.23
NET INCOME TO EQUITY	67.32	64.85	51.52	45.24	7.42	-105.82	57.67

TABLE 12 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, FRUIT & NUT, U.S.

ECONOMIC CLASS

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500	
			\$39,999	\$19,999	\$9,999	\$4,999	
ALL FARMS (THOUSAND DOLLARS)							
NUMBER OF FARMS	2970	5874	8919	10531	13101	14791	56186
PRODUCTION ASSETS:							
LAND & BUILDINGS	3127816	1356908	1106015	872861	696018	616395	7776013
MACHINES & MOT VEHIC	198715	145680	138828	89960	74605	68749	718537
CATTLE & CALVES	25921	10978	8364	6117	5782	4195	61367
HOGS & PIGS	215	580	664	398	190	97	2144
SHEEP, POULTRY, HORSES	1651	562	349	295	320	248	3425
FEED GRAINS & HAY STORED	2100	738	949	672	336	163	4958
OTHER GRAINS & FIBERS STORED	1575	649	441	299	149	34	3147
DEMAND DEPOSITS & CURRENCY	18224	22117	22611	17960	18963	16429	116304
EQUITY IN FARM COOPS	63774	46590	46517	34225	22561	17792	231459
TOTAL ASSETS	3440001	1588902	1324738	1022787	818924	722102	8917354
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	479943	302990	169704	238457	147818	84120	1423032
NON REAL ESTATE SECURED DEBT	199446	130752	81428	42687	17075	22886	494274
TOTAL LIABILITIES	679389	433742	251132	281144	164893	107006	1917306
EQUITY	2760612	1155060	1073606	741643	654031	615096	7000048
INCOME							
CASH RECEIPTS	905295	382771	275987	161288	107750	50709	1876800
GOVERNMENT PAYMENTS	5684	2164	1750	1350	1193	1039	13180
OTHER FARM INCOME	21232	15346	15997	11563	8415	7645	80198
TOTAL INCOME	932211	400281	293734	174201	110358	59393	1970178
PRODUCTION EXPENSES							
	761329	313241	208992	127960	83135	70764	1565421
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	170682	87040	84742	46241	27223	-11371	404757
LESS OPT. & FAMILY LABOR	23277	29066	35496	23754	29582	44311	185493
LESS MANAGEMENT FEE	47063	28732	23510	16376	11315	5807	132803
NET INCOME TO EQUITY	100542	29242	25736	6111	-13631	-61489	86661
RATIO (PERCENT)							
NET RETURNS TO EQUITY	3.64	2.53	2.40	0.82	-2.09	-10.00	1.24

TABLE 12 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, FRUIT & NUT, U.S.

ECONOMIC CLASS

ITEM	PERCENT					
	I IA	I I	II III	IV V	V VI	TOTAL TOTAL
\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	IA-V COMBINED
	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NET RETURN TO EQUITY	3.64	2.53	0.82	-2.09	-10.00	1.24
TOTAL DEBT TO ASSET VALUES	19.75	27.30	27.49	20.14	14.82	21.50
REAL ESTATE DEBT TO L&B VALUES	15.34	22.33	27.32	21.24	13.65	18.30
NON R.E. DEBT TO NON R.E. ASSET	63.89	56.38	28.47	13.89	21.65	43.31
NET FARM INCOME TO TOTAL DEBT	25.15	20.07	16.45	16.51	-10.63	21.11
DEBT TO EQUITY	0.25	0.38	0.38	0.25	0.17	0.27
TOTAL ASSETS TO TOTAL FARM INC.	3.69	3.97	5.87	7.42	12.16	4.53
TOTAL ASSETS TO NET FARM INCOME	20.13	18.25	22.12	30.08	63.50	22.03

TABLE 12 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, FRUIT & NUT, U.S.

ECONOMIC CLASS							
ITEM							TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+ \$100,000	\$40,000 \$100,000	\$20,000 \$39,999	\$10,000 \$19,999	\$5,000 \$9,999	\$2,500 \$4,999	
PERCENT OF COMPONENT VALUE							
NUMBER OF FARMS	5.29	10.45	15.87	18.74	23.32	26.35	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	40.22	17.45	14.22	11.23	8.95	7.93	100.00
MACHINES & MGT VEHIC	27.66	20.83	19.32	12.52	10.38	9.29	100.00
CATTLE & CALVES	42.26	17.89	13.63	9.97	8.42	6.84	100.00
HOGS & PIGS	10.03	27.05	30.97	18.56	8.86	4.52	100.00
SHEEP,POULTRY,HORSES	48.20	16.41	10.19	8.61	3.34	7.24	100.00
FEED GRAINS & HAY STORED	42.36	14.89	19.14	13.55	6.78	3.29	100.00
OTHER GRAINS & FIBERS STORED	50.05	20.62	14.01	9.50	4.73	1.08	100.00
DEMAND DEPGSITS & CURRENCY	15.67	19.02	19.44	15.44	16.30	14.13	100.00
EQUITY IN FARM COOPS	27.55	20.13	20.10	14.79	9.75	7.69	100.00
TOTAL ASSETS	38.58	17.82	14.86	11.47	9.18	8.10	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	33.73	21.29	11.93	16.76	10.39	5.91	100.00
NON REAL ESTATE SECURED DEBT	40.35	26.45	16.47	8.64	3.45	4.63	100.00
TOTAL LIABILITIES	35.43	22.62	13.10	14.66	9.60	5.58	100.00
EQUITY	39.44	16.50	15.34	10.59	9.34	8.79	100.00
INCOME							
CASH RECEIPTS	48.24	20.39	14.71	8.59	5.37	2.70	100.00
GOVERNMENT PAYMENTS	43.13	16.42	13.28	10.24	9.05	7.88	100.00
OTHER FARM INCOME	26.47	19.14	19.95	14.42	10.49	9.53	100.00
TOTAL INCOME	47.32	20.32	14.91	8.84	5.60	3.01	100.00
PRODUCTION EXPENSES	48.63	20.01	13.35	8.17	5.31	4.52	100.00
NET RETURN TC:							
EQUITY, OPT., FAMILY & MGT.	42.22	21.50	20.94	11.42	6.73	-2.81	100.00
LESS OPT. & FAMILY LABOR	12.55	15.67	19.14	12.81	15.95	23.89	100.00
LESS MANAGEMENT FEE	35.44	21.64	17.70	12.33	8.52	4.37	100.00
NET INCOME TC EQUITY	116.29	33.82	29.77	7.07	-15.82	-21.12	100.00

TABLE 12 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, FRUIT & NUT, U.S.

ECONOMIC CLASS

ITEM	PERCENT OF COMPONENT VALUE					TOTAL IA-V COMBINED
	IA	I	II	III	IV	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999
NUMBER OF FARMS	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION ASSETS:						
LAND & BUILDINGS	90.92	85.40	83.49	85.34	84.99	85.36
MACHINES & MGT VEHIC	5.78	9.42	10.48	8.80	9.11	9.24
CATTLE & CALVES	0.75	0.69	0.63	0.60	0.71	0.58
HUGS & PIGS	0.01	0.04	0.05	0.04	0.02	0.01
SHEEP,POULTRY,HORSES	0.05	0.04	0.03	0.03	0.04	0.03
FEED GRAINS & HAY STORED	0.06	0.05	0.07	0.07	0.04	0.02
OTHER GRAINS & FIBERS STORED	0.05	0.04	0.03	0.03	0.02	0.00
DEMAND DEPOSITS & CURRENCY	0.53	1.39	1.71	1.76	2.32	2.28
EQUITY IN FARM COOPS	1.85	2.93	3.51	3.35	2.75	2.46
TOTAL ASSETS	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION LIABILITIES:						
REAL ESTATE SECURED DEBT	70.64	69.85	67.58	84.82	63.64	78.61
NON REAL ESTATE SECURED DEBT	29.36	30.15	32.42	15.18	10.36	21.39
TOTAL LIABILITIES	100.00	100.00	100.00	100.00	100.00	100.00
EQUITY	100.00	100.00	100.00	100.00	100.00	100.00
INCOME						
CASH RECEIPTS	97.11	95.63	93.90	92.59	51.29	85.38
GOVERNMENT PAYMENTS	0.61	0.54	0.60	0.77	1.08	1.75
OTHER FARM INCOME	2.28	3.83	5.45	6.64	7.67	12.87
TOTAL INCOME	100.00	100.00	100.00	100.00	100.00	100.00
PRODUCTION EXPENSES	100.00	100.00	100.00	100.00	100.00	100.00
NET RETURN TO:						
EQUITY, OPT., FAMILY & MGT.	100.00	100.00	100.00	100.00	100.00	100.00
LESS OPT. & FAMILY LABOR	13.62	33.39	41.84	51.37	103.69	-389.68
LESS MANAGEMENT FEE	27.54	33.01	27.74	35.41	41.50	-51.07
NET INCOME TO EQUITY	58.84	33.60	30.37	13.22	-50.26	540.75

TABLE 13 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, ALL TYPE FARMS, U.S.

ECONOMIC CLASS									
ITEM	ALL FARMS (THOUSAND DOLLARS)						TOTAL IA-V COMBINED		
	I		II		III			IV	
	IA	I	II	III	IV	V			
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500			
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999			
ALL FARMS (THOUSAND DOLLARS)									
NUMBER OF FARMS	55009	177991	343023	390026	357027	435030	1798106		
PRODUCTION ASSETS:									
LAND & BUILDINGS	25231928	33922682	39500536	29095370	18811309	14334764	164896510		
MACHINES & MGT VEHIC	3311921	5543722	6941407	4957768	3108531	2383892	26287241		
CATTLE & CALVES	4321831	3659221	4182159	3058599	1927459	1398186	18547455		
HUGS & PIGS	214865	575664	664408	398475	190424	97292	2145128		
SHEEP,POULTRY,HORSES	542042	317224	195397	114623	68159	46378	1283823		
FEED GRAINS & FAY STORED	300040	737643	948793	672511	335842	162786	3157615		
OTHER GRAINS & FIBERS STORED	175010	216293	220659	149610	74607	33673	869852		
DEMAND DEPCSITS & CURRENCY	343850	650526	837451	665167	574620	513402	3585016		
EQUITY IN FARM COOPS	1536070	1327368	1388689	988658	600521	468789	6310135		
TOTAL ASSETS	39977557	46954343	54879499	40140821	25691472	19439162	227082775		
PRODUCTION LIABILITIES:									
REAL ESTATE SECURED DEBT	4897383	5508917	5656797	3974286	2274131	1802152	24113666		
NON REAL ESTATE SECURED DEBT	4986144	4358392	4071420	2510908	1219632	789175	17935671		
TOTAL LIAELITIES	9883527	9867309	9728217	6485194	3493763	2591327	42049337		
EQUITY	30094030	37087034	45151292	33655627	22197709	16847835	185033438		
INCOME									
CASH RECEIPTS	17081031	11257971	10221747	5973615	3053024	1584653	49172041		
GOVERNMENT PAYMENTS	516726	721327	874798	675184	357800	259633	3445468		
OTHER FARM INCOME	319156	217366	254459	238522	204641	211849	1445993		
TOTAL INCOME	17916913	12196664	11351004	6887321	3655465	2056135	54063502		
PRKDUCTION EXPENSES									
	14928022	8701139	7464011	4412426	2309307	1814455	39629360		
NET RETURN TO:									
EQUITY, OPT., FAMILY & MGT.	2588891	3495525	3886993	2474895	1346158	241680	14434142		
LESS OPT. & FAMILY LABOUR	484942	785573	1224000	1032791	1020323	1197598	5745227		
LESS MANAGEMENT FEE	461402	586372	691466	496243	290127	141642	2667252		
NET INCOME TO EQUITY	2042547	2123580	1971527	945861	35708	-1097560	6021663		
RATIO (PERCENT)									
NET RETURNS TO EQUITY	6.79	5.73	4.37	2.81	0.16	-6.51	3.25		

TABLE 13 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, ALL TYPE FARMS, U.S.

ITEM	ECONOMIC CLASS						TOTAL IA-V COMBINED
	IA	I	II	III	IV	V	
	\$100,000+	\$100,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$40,000	\$39,999	\$19,999	\$9,999	\$4,999	
NET RETURN TO EQUITY	6.79	5.73	4.37	2.81	0.16	-6.51	3.25
TOTAL DEBT TO ASSET VALUES	24.72	21.01	17.73	16.16	13.60	13.33	18.52
REAL ESTATE DEBT TO LCB VALUES	16.75	16.24	14.32	13.66	12.09	12.57	14.62
NON R.E. DEBT TO NON R.E. ASSET	46.40	33.44	26.47	22.73	17.73	15.46	28.84
NET FARM INCOME TO TOTAL DEBT	30.24	35.43	39.96	38.16	38.53	9.33	34.33
DEBT TO EQUITY	0.33	0.27	0.22	0.19	0.16	0.15	0.23
TOTAL ASSETS TO TOTAL FARM INC.	2.23	3.85	4.83	5.83	7.03	9.45	4.20
TOTAL ASSETS TO NET FARM INCOME	13.38	13.43	14.12	16.22	19.09	80.43	15.73

TABLE 13 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, ALL TYPE FARMS, U.S.

ECONOMIC CLASS							
ITEM	AVERAGE PER FARM (DOLLARS)						TOTAL IA-V COMBINED
	NUMBER OF FARMS						
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
		\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	

TABLE 13 RETURN TO EQUITY IN FARM PRODUCTION ASSETS, 1970, ALL TYPE FARMS, U.S.

ECONOMIC CLASS							
ITEM	PERCENT OF COMPONENT VALUE						TOTAL IA-V COMBINED
	PERCENT OF COMPONENT VALUE						
	IA	I	II	III	IV	V	
	\$100,000+	\$40,000	\$20,000	\$10,000	\$5,000	\$2,500	
	\$100,000+	\$100,000	\$39,999	\$19,999	\$9,999	\$4,999	
NUMBER OF FARMS	3.06	9.90	19.08	21.09	22.08	24.19	100.00
PRODUCTION ASSETS:							
LAND & BUILDINGS	17.73	20.57	23.95	17.64	11.41	8.69	100.00
MACHINES & MCT VEHIC	12.60	21.09	26.41	19.01	11.83	9.07	100.00
CATTLE & CALVES	23.30	19.73	22.55	16.49	10.39	7.54	100.00
HOGS & PIGS	10.02	27.02	30.97	18.58	8.88	4.54	100.00
SHEEP, PCULTRY, HORSES	42.22	24.71	15.22	8.93	5.31	3.61	100.00
FLED GRAINS & HAY STORED	9.50	23.36	30.05	21.30	10.64	5.16	100.00
OTHER GRAINS & FIBERS STORED	20.12	24.87	25.37	17.20	8.58	3.87	100.00
DEMAND DEPCSITS & CURRENCY	9.59	18.15	23.36	18.55	16.03	14.32	100.00
EQUITY IN FARM COOPS	24.34	21.04	22.01	15.67	9.52	7.43	100.00
TOTAL ASSETS	17.60	20.68	24.17	17.68	11.31	8.56	100.00
PRODUCTION LIABILITIES:							
REAL ESTATE SECURED DEBT	20.31	22.85	23.46	16.48	9.43	7.47	100.00
NON REAL ESTATE SECURED DEBT	27.80	24.30	22.70	14.00	6.80	4.40	100.00
TOTAL LIABILITIES	23.50	23.47	23.14	15.42	8.31	6.16	100.00
EQUITY	16.26	20.04	24.40	18.19	12.00	9.11	100.00
INCOME							
CASH RECEIPTS	34.74	22.90	20.79	12.15	6.21	3.22	100.00
GOVERNMENT PAYMENTS	15.00	20.94	25.39	19.60	11.55	7.54	100.00
OTHER FARM INCOME	22.07	15.03	17.60	16.50	14.15	14.65	100.00
TOTAL INCOME	33.14	22.56	21.00	12.74	6.76	3.80	100.00
PRODUCTION EXPENSES							
	37.67	21.96	18.83	11.13	5.83	4.58	100.00
NET RETURN TO:							
EQUITY, OPT., FAMILY & MGT.	20.71	24.22	26.93	17.15	9.33	1.67	100.00
LESS OPT. & FAMILY LABOR	8.44	13.67	21.30	17.98	17.76	20.85	100.00
LESS MANAGEMENT FEE	17.30	21.98	25.92	18.61	10.88	5.31	100.00
NET INCOME TO EQUITY	33.92	35.27	32.74	15.71	3.59	-18.23	100.00

